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HASKELL IMPLEMENT & SEED Co.

1922 Catalog 1922

HISCO STANDS FOR SERVICE QUALITY

UNION SQUARE

LEWISTON, MAINE.

READ CAREFULLY BEFORE ORDERING

All prices in this catalogue, owing to uncertain market conditions, are subject to change without notice. Should there be a drop in the market on any article (listed in this catalogue) at time of purchase, we will gladly give the customer the benefit of the reduction. This policy applies to all grain, grass, vegetable and flower seeds as well as all other items quoted herein. WE DELIVER all Vegetable and Flower Seeds when bought at the packet, ounce, or ¼ pound prices, but when seeds ordered are listed in pounds, postage should be added at the rate of 6 cents per pound. Each additional pound add 1 cent. In all other cases goods will be SHIPPED F. O. B. LEWISTON.

No charge for packing, unless otherwise stated. Bags will be charged for as follows: 2 bushel bags, 35 cents; ½ bushel bags, 20 cents; peck bags, 15 cents; ½ peck bags, 10 cents.

We give no warranty expressed or implied, as to description, quality or productiveness of our seeds, and in sending them out, will in no way be responsible for crops or lack of satisfactory product from our seeds. If the purchaser does not accept the goods on these terms, we must be notified at once, when we will give full instructions for disposition of such goods. This is the invariable rule of reliable business houses.

We do, however, purchase our seeds from reputable growers and employ every means, taught us from years of successful dealing in seeds, to insure proper grading and purity. Seeds are tested by our experts before offering them for sale, so we are as reasonably sure of their germination as nature and science permits of assurance.

PARCEL POST INFORMATION ON PAGE 11

NOTE—We would deem it a great favor if our customers, or those wishing to remain on our mailing list, thereby receiving our catalogue, would inform us of change in address.

Haskell Implement & Seed Co.

Union Square

LEWISTON, MAINE

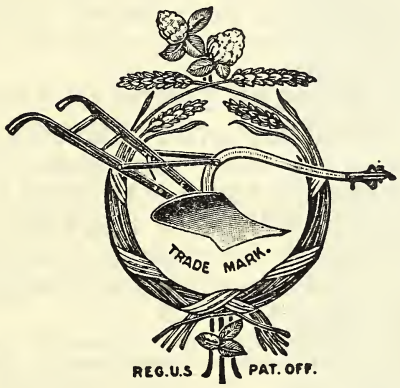
New England Telephone Private Line 27

HASKELL IMPLEMENT & SEED CO.

1922 CATALOGUE

of

Choice Farm, Garden and Flower Seeds
Agricultural Implements



Dairy and Poultry Supplies, Wooden Ware, Hardware
Galvanized Ware, Brooms, Brushes, Fencing
Garden Seeders and Cultivators, Pumps
and Spraying Outfits, Paints, Oils
Automobile Tires, Etc.

"THE FURROW"

If you will send us your name and address we will send you The Furrow FREE for one year. This is a paper published in the interest of better farming and contains much useful information on farming and soil culture, also valuable Household Hints for the housewife with a lot of entertaining reading for the younger members of the family.

HISCO
Trade Mark
Quality—Service—Worth

United States Food Administration License No. G 37955

HASKELL IMPLEMENT & SEED COMPANY

UNION SQUARE—LEWISTON, MAINE

CHOICE FLOWER SEEDS--General List

MOST flowering plants will live in almost any soil, but to give them a fair chance to develop, some care should be taken to make the ground suited to their needs. The soil best adapted for flowering plants generally is a light, friable loam, containing a sufficient amount of sand to render it porous. Many flowers are better if produced on plants of vigorous growth, hence a portion of the garden should be prepared by deep digging, thorough pulverization and liberal enriching with large quantities of well-rotted manure. Since some other varieties produce the largest and finest colored flowers when grown on rather light, poor soil, a portion of the garden should not be enriched. While some seeds need special treatment, the following general rules will apply to all. Make the surface of the soil as fine, smooth and level as possible; do not plant when the ground is wet; cover each lot of seeds to a uniform depth, which should not be more than four to six times the diameter of the seed; press the soil firmly over the seed; plant in rows so that the starting plants can be seen easily; thin out the young plants to prevent crowding and keep entirely free from weeds.

POSTAGE PREPAID ON ALL FLOWER SEEDS IN PACKETS AT PRICES QUOTED

SPECIAL INDUCEMENTS

When the money accompanies the order, purchasers of Seeds in packets at catalogue prices may select 25 **CENTS' WORTH EXTRA PACKETS FOR EACH $1.00 SENT.** Thus anyone enclosing $1.00 **MAY ORDER SEEDS IN PACKETS AMOUNTING TO $1.25.** Two dollars sent to us with the order will pay for seeds **IN PACKETS** amounting to $2.50 and so on. This offer does **NOT** include seeds in collections by weight or measure, bulbs, plants, or anything **EXCEPTING SEEDS IN PACKETS.**

Plants are generally known and described as Annuals, Biennials, and Perennials. The term annual is applied to plants which flower and ripen their seeds the same season. Hardy annuals are those which may be sown in the open ground. Half hardy annuals are those which should be started in the house and transplanted to the garden. The term biennial is applied to plants which flower the second season after planting and then perish. The term perennial to plants which flower the second season after planting, and continue to flower year after year.

ADONIS. Showy, popular border flowers, remaining a long time in bloom.

Aestivalis. "Flos Adonis." Flowers scarlet. Hardy annual. 1 ft. **Pkt., .05**

AGERATUM. (Floss-Flower.) hA. Blossoms continually throughout the summer. Highly prized for bedding out, and valuable for winter blooming indoors.

Imperial Dwarf. Dark blue. 9 in.; good for edging. **Pkt., .05**

ALYSSUM. Very hardy, free blooming dwarf plants, all varieties growing freely in common soil. The pretty, fragrant flowers are much prized for bouquets; excellent for the summer garden.

Saxatile Compactum. Yellow flowers; fine for borders. Perennial. **Pkt., .05**

Little Gem. White. They grow but three or four inches in height, very compact, or spreading growth, each plant often forming a circle a foot in diameter. **Pkt., .05**

AMARANTHUS. Ornamental foliage. Very striking and effective decorative plants. Sow early and set out young plants early in June. Annual.

Tricolor. Mixed—Carmine scarlet, splendid variety. 4 to 5 feet. **Pkt., .05**

ANTIRRHINUM. (Snapdragon.) Beautiful, hardy, free blooming plants for summer and fall. Flowers the first year from seed as annuals and should be treated as such. Average height, 1½ feet.

Crimson ..... **Pkt., .05**
White ..... **Pkt., .05**
Finest Mixed ..... **Pkt., .05**

Alyssum

ASTER

One of the very best Annuals for cut-flowers

The Aster is of easy culture and very popular. Plants from seed sown in the open ground in May bloom finely in September and October. For July and August flowers sow in March or April in cold frame, spent hot-bed, or in pots or boxes in the house. Cover the seeds about half an inch deep with rich, light soil, and when the plants have three or four leaves transplant about 18 inches apart each way into well prepared beds. Manures too fresh or used in too large quantities sometimes induce disease in Asters. When used they should be thoroughly well decayed and mixed with the soil. Small quantities of slaked lime or fresh wood-ashes stirred into the surface of the Aster beds form good tonics for the plants and keep disease and insects from the roots.

Tall Varieties

AMERICAN BRANCHING. A free growing Aster of robust, erect habit, producing large, feathery blossoms resembling Japanese Chrysanthemums; one of the finest for cutting. Height 3 feet.

Crimson ..... Pkt., .10
Lavender ..... Pkt., .10
Rose ..... Pkt., .10
White ..... Pkt., .10
Finest Mixed ..... Pkt., .10

GIANT COMET. Splendid class of pyramidal habit, with very large flowers.

Crimson ..... Pkt., .10
Lavender ..... Pkt., .10
Rose Pink ..... Pkt., .10
Purple ..... Pkt., .10
White ..... Pkt., .10
Finest Mixed ..... Pkt., .10

PEONY FLOWERED PERFECTION. The finest form of incurved Aster, splendid for exhibition and popular for both florists' and private use. The plants are about two feet in height, with flowers usually four inches across, very double and of fine globular form.

Lilac ..... Pkt., .10
Blood Red ..... Pkt., .10
Rose Pink ..... Pkt., .10
Purple ..... Pkt., .10
White ..... Pkt., .10
Finest Mixed ..... Pkt., .10

VICTORIA. Flowers large, very double, with the petals beautifully incurved. Cannot be excelled for bedding or exhibition. 2 feet.

Crimson ..... Pkt., .10
Dark Blue ..... Pkt., .10
Rose Pink ..... Pkt., .10
White ..... Pkt., .10
Finest Mixed ..... Pkt., .10

STIM-U-PLANT

Plant Food in Tablet Form.
Make your plants grow faster, larger, and of better color. The easiest to use, and the quickest acting fertilizer made.

White Branching Asters

ASTERS (Dwarf Varieties)

CHRYSANTHEMUM

Finest Mixed ..... Pkt., .10

QUEEN OF THE MARKET. Early flowering aster, of branching habit, producing its flowers on long stalks; fine class for cutting and bunching.

Crimson ..... Pkt., .10
Lavender ..... Pkt., .10
Light Pink ..... Pkt., .10
Deep Red ..... Pkt., .10
White ..... Pkt., .10
Finest Mixed ..... Pkt., .10

CHINA FINEST MIXED ..... Pkt., .10

ALL SORTS MIXED ..... Pkt., .10

BALSAM. Beautiful plants for the summer garden. Of fine pyramidal form, thickly studded with large flowers of rich shades. They should be started early in heat and transplanted. We offer the finest strains in cultivation. Annuals.

Double Dwarf Mixed ..... Pkt., .10

BROWALLIA. Elegant, free flowering, half-hardy annual for house or garden; growing about eighteen inches in height, with Verbena-like flowers; excellent for cutting. For summer blooming they may be sown under glass in March, or in the open ground in May.
Finest Mixed ..... **Pkt., .05**

CALENDULA. Vigorous, hardy, free-flowering annuals, with large, flat, double flowers; valuable for growing in light soils, or dry situations. They are useful as cut flowers, and are frequently grown under glass during winter for cutting. 1 foot.
Double Mixed ..... **Pkt., .05**

CALLIOPSIS or Coreopsis, Perennial Varieties. These frequently bloom the first year from seed sown in the spring; it is the most satisfactory, however, to sow in July or August, protecting the plants with coarse straw or pine boughs during the winter. They will flower profusely the following summer. Height, 2 feet. Mixed **Pkt., .05**

CAMPANULA. (Hare Bell.) These grand old flowers are of easiest culture, and one of the most attractive hardy perennials. The variety Carpatica is the common Hare Bell. Sow seed in the open the last of June or first of July, and transplant. They will bloom the following spring if protected over winter.
Carpatica Mixed. (Hare Bell.) Blue and White. Very free flowering variety. **Pkt., .10**

CANDYTUFT. Showy, hardy annuals, growing about a foot in height. Excellent for bouquets.
Carmine ..... **Pkt., .05**
Empress White ..... **Pkt., .05**
Mixed ..... **Pkt., .05**

Candytuft

CANNA. Indian Shot. The luxuriant foliage and superb flower of the Cannas, especially of the new French and Italian races, easily places them foremost among our sub-tropical bedding plants.
Crozy's Newest Mixture ..... **Pkt., .05**
Nigricans—Dark Red Foliage ..... **Pkt., .05**

CARNATIONS—Marguerite—The earliest of all Carnations, blooming in July or August if sown in spring and continuing till frost. Being half-hardy perennials, a slight protection of coarse straw or pine boughs will preserve them during winter and they will flower profusely the next summer, or they may be potted to bloom during the winter in the house. The flowers are large, about eighty per cent. usually coming double; beautifully fringed and clove-scented.

CARNATIONS MARGUERITE

Giant White ..... **Pkt., .10**
Giant Rose ..... **Pkt., .10**
Giant Red ..... **Pkt., .10**
Giant Yellow ..... **Pkt., .10**
Giant Mixed ..... **Pkt., .10**

CENTAUREA. Flowering Annuals. Imperials.—Giant Corn Flower. The flowers are of enormous size; fragrant, and of the most charming colors, including white, pink, lilac, rose and purple. They are among our best summer flowers for cutting.
Marguerite—White ..... **Pkt., .05**
Cyanus—Bachelor's Buttons, mixed ..... **Pkt., .05**

Centaurea Cyanus

CELOSIA, or Coxcomb. Showy annuals of easy cultivation; producing large, brilliant, comb-like flower heads. They prefer a light soil, and should not be allowed to become crowded if a dwarf habit is desired.
Tall Mixed ..... **Pkt., .05**

CHRYSANTHEMUM (Annual Varieties)

Showy, hardy annuals of easiest cultivation and blooming early in summer. They are most desirable for seashore and mountain gardens. Height, 2 feet.

Double Yellow ..... **Pkt., .05**
Double Mixed ..... **Pkt., .05**

COBOEA SCANDENS. A fine rapid growing climber with handsome foliage and large, bell-shaped flowers, green at first but rapidly changing to a beautiful, deep violet-blue. A well established plant will run about thirty feet in a season, covering a large veranda with handsome foliage and beautiful flowers. Tender perennial. **Pkt., .05**

CONVOLVULUS MAJOR—Tall Morning Glory.

Finest Mixed ..... **Pkt., .05**
Japanese Morning Glory ..... **Pkt., .05**

CYPRESS VINE. Ipomoea Quamoclit. Very graceful twining annuals with feathery dark green foliage and star-like flowers. Twenty feet.

Scarlet ..... **Pkt., .05**

COSMOS. This is one of our most useful and beautiful autumn flowers. To get it in bloom early, the seed should be sown in May in the open ground where the plants are desired to bloom, and the seedlings allowed to grow and flower without being transplanted.

Finest Mixed ..... **Pkt., .05**

Cosmos

DAHLIA. This popular flower can be easily raised from seed and flowered the same season. The roots should be placed in dry sand and kept in a cellar where there is no frost during the winter.

Finest Mixed ..... **Pkt., .10**
Single Mixed ..... **Pkt., .10**

DIANTHUS. Chinenses fl. pl. hP. Double Chinese Pinks. Finest Mixed ..... **Pkt., .05**
Heddewigii (Japan Pinks) hB. Single. First-class selected. Mixed ..... **Pkt., .05**

Chinese Pinks

DOLICHOS LABLAB. (Hyacinth Bean.) Purple. 10 feet. **Pkt., .05**

ESCHSCHOLTZIA. California Poppy. The bright colors, long duration and dwarf habit of these free-blooming, hardy annuals, admirably adapt them for massing and border planting. Height, 1 foot.

California—Yellow, orange center ..... **Pkt., .05**
California Alba—White ..... **Pkt., .05**
Mixed ..... **Pkt., .05**

GOURDS. Luxuriant, climbing annuals, useful in covering arbors, fences or slopes, and bearing gourds which are of interesting forms and colors. 10 to 15 feet.

Mixed ..... **Pkt., .05**

GYPSOPHILA. Infant's Breath. Free flowering, hardy plants; extremely light and graceful, easy of cultivation, and most useful for bouquet and cut-flower work. Height, 18 inches.

Mixed ..... **Pkt., .05**

HELICHRYSUM. Everlasting Flower. Showy annuals for beds or borders; useful as dried flowers for winter bouquets, for which use the blooms should be cut before they are fully open, and hung up to dry with the flowers downward if stiff stems are desired. Height 2 feet.

Double Mixed ..... **Pkt., .05**

For The Lawn **Try Our Purity Lawn Seed**

Mixed by us from one of the best formulas known and containing no weed seeds.

Helianthus

HELIANTHUS. Sunflower. The large varieties are useful in forming backgrounds of large beds or borders and for distant effects, while the smaller sorts may be planted with scarlet Salvia, Cannas and other tall bedding plants, besides being excellent for cutting. Hardy annuals.

Double Mixed ..... **Pkt., .05**

Heliotrope

HELIOTROPE. Delightfully fragrant greenhouse perennial; excellent for bedding or indoor cultivation and particularly useful for cutting.

Giant. Newest large flowering varieties mixed. **Pkt., .10**

HOLLYHOCK. This ever popular hardy favorite of our gardens has very few rivals in majestic grandeur. Hollyhocks succeed best in rich, well-drained soil. They should be lightly protected during winter with pine boughs, coarse straw or other mulch not liable to rot. Seeds sown in July produce fine plants for blooming the following summer. Hardy biennials; 6 to 8 ft.

Chaters Strain. Double finest mixed. **Pkt., .10**

HUMULUS JAPONICA. Japanese Hop. Splendid annual climber of fast growth and very ornamental. 12 ft. **Pkt., .05**

KOCHIA TRICHOPHILA. (Standing or Summer Cypress.) Splendid ornamental annual of unusually quick growth, forming regular pyramids of about 3 ft. in height. The slender-leaved plants are of a cypress-like appearance during the summer, changing their light-green foliage to carmine and blood-red colorings. The plant, also called "Burning Bush," is of great value when planted singly or in groups, as well as for pot culture. 3 ft. **Pkt., .05**

LARKSPUR. Splendid hardy annuals with showy flowers borne on long spikes; white, lilac, and all shades of blue; excellent for cutting. Height, 18 inches.

Double Tall. Branching or stock flower mixed. **Pkt., .05**

LAVENDER. Ornamental hardy perennial, bearing long spikes of very fragrant, blue flowers. 18 inches. **Pkt., .05**

LOBELIA. The Erinus varieties are most valuable for edgings, hanging baskets and vases, blooming profusely from June till frost. **Lobelia Cardinalis** and its varieties are among the most brilliant autumn flowering perennials.

Crystal Palace Compacta. The darkest blue. **Pkt., .05**
Finest Mixed ..... **Pkt., .05**

MARIGOLD. Tagetes. These handsome half-hardy annuals when well grown cannot be surpassed either in mixed borders or when grouped together. They succeed best in moderately rich soil and in open situations, and are strongly recommended where a gorgeous display in the autumn is an essential feature.

African—Double tall yellow ..... **Pkt., .05**
African—Double tall mixed ..... **Pkt., .05**
French—Double tall mixed ..... **Pkt., .05**

Forget-Me-Not

MYOSOTIS—Forget-Me-Not. Dwarf, half-hardy perennials, bearing a profusion of little, star-shaped flowers. They thrive best in rather moist, shady situations. Most of them will bloom the first year from seed if sown early. If sown in July or August in shaded frame, fine plants will be obtained for spring blooming. They are very beautiful when planted in combination with late spring bulbs, Daisies, Arabis or Golden Alyssum.

Palustris—True Forget-Me-Not. Dark blue, very beautiful; profuse flowering. **Pkt., .10**

Mignonette

MIGNONETTE. Reseda Odorata. The most fragrant annual, prized as much for forcing in winter as for the summer garden. The seed should be sown early and the plants as they grow, thinned sufficiently to allow them to branch. The beds should be liberally watered during dry weather.

Parsons's White ..... **Pkt., .10**
Machet, Red ..... **Pkt., 10**
Bird's Mammoth Mixed ..... **Pkt., .10**

NICOTIANA Affinis—Annuals.

Sylvestris. A splendid new variety with glaucous leaves and large pendants, pure white, tube-shaped flowers; a very stately plant. **Pkt., .10**

NASTURTIUMS—Dwarf varieties mixed.

Tom Thumb, or Dwarf. These hardy annuals are of easiest cultivation; succeeding best in rather light soil, withstanding heat and drought and flowering profusely from June or July until cut down by severe frost, usually well into November. The dark-leaved varieties are particularly adapted for ribbon beds and borders, the brilliant flowers contrasting admirably with the bronzy red foliage. Height, 1 foot.

Finest Mixed. Our special mixture of the finest sorts, in great variety of color.

Pkt., .05; oz., .15; ¼ lb., .45

NASTURTIUMS—Tall or Climbing.

Besides their ordinary garden use for trailing over fences, trellises, stone walls, etc., these can also be grown as pot plants for winter flowering, as screens or as trailers for hanging baskets and vases; 8 to 12 feet.

Finest Mixed ..... **Pkt., .05; oz., .15; ¼ lb., .45**

PAPAVER, or Poppy. Annual varieties, showy, hardy annual of the easiest cultivation and embracing many rich and beautiful colors. The seed should be sown early in spring where intended to bloom.

Shirley—Finest mixed. A most charming race of single Poppies with shining flowers of silky texture, varying in color from pure white and delicate pink to rosy carmine and deep crimson; many of them being beautifully striped and edged with white. The blooms if cut when young will keep in water for two or three days. Height, 2 ft. **Pkt., .05**

Double Carnation Mixed ..... **Pkt., .05**
Oriental Deep Crimson ..... **Pkt., .05**
White Swan ..... **Pkt., .05**

PHLOX DRUMMONDI. This is one of the finest annuals, being hardy, easy of cultivation and making as a summer bedding plant an effective and brilliant display. The flowers are of long duration and of most gorgeous and varied colors. Height, 1 ft.

Finest Mixed—Splendid colors ..... **Pkt., .05**

Grandiflora Finest Mixed. The flowers are of large size, finely rounded form, and with well-defined eyes. The colors are superb. **Pkt., .10**

PETUNIA. The Petunia is popular because it is of easiest cultivation, blooms from early summer continuously until frost and is one of the most showy and free-growing annuals. Height, 12 to 15 inches.

Single Flowering Petunia

Hybrida—Finest Mixed ..... **Pkt., .10**
Fimbriata—Fringed, Single Mixed ..... **Pkt., .15**

Double Flowering Petunias

Double Fringed—Extra Large ..... **Pkt., .20**

Nasturtium

PORTULACA. Charming dwarf annuals for sunny situations or light soils, producing flowers of most brilliant colors in great profusion. Height 6 inches.

Grandiflora Plenissima—Double Mixed .... **Pkt., .10**
Grandiflora—Fine Single Mixed ..... **Pkt., .10**

RHODANTHE. Half-hardy annuals with "Everlasting" flowers. They are beautiful for the open garden, or grown in pots for the conservatory. If required for winter use, as dried flowers, they should be cut before they are fully expanded. Height, 1 foot.

Mixed ..... **Pkt., .05**

RICINUS. Castor Oil Plant. Tender annuals of rapid and gigantic growth, producing enormous dark green or bronze-colored palmate leaves; excellent for sub-tropical beds, or for massive foliage effects on lawns or backgrounds.

Zanzibariensis. Mixed. A new and distinct race from East Africa, producing leaves of enormous size, varying in color from light green to purplish red. Height, 15 feet. **Pkt., .10**

SALPIGLOSSIS. Half-hardy annuals; elegant late summer flowering plants of great diversity in color; beautifully penciled in rich tints of yellow, purple and brownish red. Of easy culture.

Grandiflora—Finest Mixed ..... **Pkt., .05**

SALVIA. Flowering Sage. Very ornamental; flowers borne in spikes of fiery red, crimson or blue, and continue in bloom in open ground until after severe frosts. Start in heat and transplant into light soil one or two feet apart. Tender perennials, but bloom the first season. Height, 2 ft. to 3 ft.

Bonfire—Scarlet ..... **Pkt., .10**
Cocinea—Mixed ..... **Pkt., .10**

STOCK—Gilliflower. The charming colors, delightful fragrance and free-blooming character of the Stocks have made them favorite plants for both summer and winter cultivation. They are very effective for beds and borders, and their handsome spikes are invaluable for bouquets and floral decorations.

Large-Flowering, Double Ten-Week Varieties. Highest grade, pot-grown seed. The best variety for early summer blooming, producing massive pyramidal flower spikes of brilliant colors and delightful fragrance. Height, 1 foot.

Pink ..... **Pkt., .10**
White ..... **Pkt., .10**
Finest Mixed ..... **Pkt., .10**

SWEET WILLIAM. Dianthus Barbatus. Showy hardy biennials of easiest culture; admirable for clumps among shrubs or borders. Height, 18 inches.

Hunt's Perfection Mixed ..... **Pkt., .05**

WALL FLOWER. Deliciously frgarant and combine many shades of color; the orange, purple and chocolate predominating; tender perennial, 1½ feet.

Double Mixed ..... **Pkt., .10**

PANSIES

Pansy, or Heartsease. Too much importance cannot be attached to the culture of these beautiful plants, flowering as they do in great abundance for several months. When sown in the early spring a good display in most cases can be had in the following fall, but the best results are not obtained by so doing. To obtain fine blooms it is better to sow during summer and transplant the seedlings in cold frames in September, protecting during the winter with mats or shutters. Pansies delight in a cool, moist, well drained soil, enriched with decomposed barn-yard manure. They should never be allowed to suffer for want of water.

Giant Blue ..... **Pkt., .10**
Giant Black ..... **Pkt., .10**
Giant Purple ..... **Pkt., .10**
Giant Yellow ..... **Pkt., .10**
Giant White ..... **Pkt., .10**
Giant Mixed ..... **Pkt., .10**
Mixed ..... **Pkt., .05**
Giant Ruffled Mixed ..... **Pkt., .15**

Sweet Peas

Sweet Peas

Our Sweet Peas are unsurpassed in selection, purity and vitality. Seed should be sown in **new ground** as early as it can be worked in spring. The vines should be thoroughly established before the hot weather sets in. White-seeded sorts should be sown a little later, when the ground is warm.

HASKELL'S PEERLESS MIXTURE. We invite comparison of our mixture with any and all others, no matter under what name or at how high a price offered, and are certain a trial will demonstrate the superiority of our **Peerless Mixture.**

Prices on Haskell's Peerless Mixture:

Pkt., .05; oz., .10; ¼ lb., .30; ½ lb., 55; lb., $1.00.

Prices on all Separate Colors:

Pkt., .05; oz., .10; ¼ lb., .35; ½ lb., .65; lb., $1.25.

Blue and Purple

Captain of the Blues. Standard light maroon; wings light purple.

Navy Blue. Deep violet blue.

Variegated

Aurora. Flaked orange salmon; largest striped.

America. The brightest blood red striped.

Daybreak. Crimson scarlet on white ground.

Gray Friar. Beautiful watered purple on white ground.

Helen Pierce. Blue mottled on pure white.

Mrs. Joseph Chamberlain. Rose and white striped.

Lavender and Mauve

Countess of Radnor. Pale mauve standards, wings pale lilac, very fine.

Dorothy Tenant. Deep rosy mauve; beautiful.

Emily Eckford. Standard reddish mauve, wings blue.

White

Blanche Burpee. Pure white of superior substance, flowers large and finely formed.

Emily Henderson. A new pure white, largest of all and an excellent sort.

Sadie Burpee. White seed. Very large. Pure white.

Dorothy Eckford. Pure white.

Light Yellow

Mrs. Eckford. Delicate shade of primrose yellow.

Primrose. Color pale primrose approaching yellow.

Shades of Pink

Lovely. Light pink standard, delicate rose wings.

Hon. F. Bouverie. Standard flesh-pink, wings rosy buff.

Sybil Eckford. Pink and buff.

Prima Donna. Lovely pale pink. One of the finest.

Katherine Tracy. Soft but brilliant pink.

Gladys Unwin. Large, light pink.

Blanche Ferry. The popular pink and white.

Her Majesty. Beautiful rose color.

Painted Lady. Old popular pink and white, fiery shade.

Lady Mary Currie. Orange pink.

Shades of Red

Red Riding Hood. Rosy pink, very fragrant.

Brilliant. Bright scarlet, fine form.

Firefly. Deep brilliant scarlet; truly a fiery shade.

King Edward VII. Fine scarlet.

White and Blue

Maid of Honor. White, edged with blue.

Lottie Eckford. White, suffused with lavender.

Butterfly. White, blue edge.

Claret and Maroon

Boreatton. Very dark maroon, self-colored.

Captivation. Beautiful claret color.

Waverly. Standards rosy claret, wings shaded blue.

Black Knight. Deep maroon.

PRICES FOR ANY OF THE ABOVE FIVE-CENT PACKAGES: 6 pkts. for 25c; 12 pkts. for 40c.

Sweet Peas (Continued)

SPENCER VARIETIES

The Spencers are of exceptionally large size, the standard and wings waved or frilled and the general effect remarkably graceful and attractive. The plants are of vigorous growth and remain in bloom for a longer period than the ordinary sorts. They are produced abundantly on long stems, making them most desirable for cutting.

Asta Ohn. Suffused lavender, sometimes with pinkish tinge.

Countess. Bright, clear pink, sometimes darker towards the edges; very large with long stems. One of the very best.

Florence Morse. White with pink edge.

King Edward. Brilliant crimson scarlet; very large size and of open form.

Othello. Beautiful deep maroon. One of the most reliable of the maroon shades of Spencers.

White. Pure white. Beautifully waved and fluted. Very large size.

Mixture. A very fine assortment of the best varieties.

Separate Colors .....10 per Pkt., .20 oz.
Mixture.....10 per Pkt., .20 oz., .75 ¼ lb.

VERBENA. The Verbena is one of the most decorative and easily grown bedding plants. If started in heat in March the seedlings begin to bloom in June and continue until frost. Plants raised from seeds are stronger and flower more freely than those grown from cuttings. Half-hardy perennials. Height, 1 foot.

Hybrida—Fine mixed ..... Pkt., .05
Hybrida—Mammoth mixed ..... Pkt., .10
Hybrida—Extra selected, dark blue ..... Pkt., .10
Hybrida Candissima, white ..... Pkt., .10

VIRGINIA CREEPER (or American Woodbine). Though a common native climber, this is one of the best plants for covering unsightly obbects, or it may be easily trained into festoons of exceeding grace and beauty. **Pkt., .05**

WILD CUCUMBER. Hardy, vigorous climber, with very pretty seed-pods, large seeds; to be sown in the open ground in autumn. 20 feet. **Pkt., .05**

XERANTHEMUM. Profuse blooming hardy annuals with "Everlasting" flowers; useful for winter bouquets; colors pure white and deep purple. Height, 18 inches. **Finest Double Mixed ..... Pkt., .05**

Zinnia

ZINNIA. The double flowering Zinnias (Zinnia elegans fl. pl.), are among the finest annuals blooming from July till frost. The flowers are large, handsome, and in a variety of colors. Of easy cultivation in common garden soil. Seed should be started in heat and transplanted. Our seed of these beautiful flowers is saved from the finest collection in Germany.

Single Mixed ..... Pkt., .05
Double Mixed ..... Pkt., .05

MIXED FLOWER SEEDS FOR WILD GARDENS. A splendid mixture of more than one hundred kinds of flower seeds at a low price. **Pkt., .05**

For Parcel Post information see next page.
Owing to the unsettled condition of the market ALL prices in this catalogue are strictly subject to change without notice. If, however, at time of shipment prices should be lower than given in the catalogue we shall cheerfully give our customers the benefit.

SUPERIOR VEGETABLE SEEDS

THE CENTAL SYSTEM—IMPORTANT ANNOUNCEMENT

In this issue of our catalogue we shall continue to use the Cental System which was adopted by us in our 1919 issue. The old method of selling seed by the pint, quart, peck, bushel, or fractions thereof is hereby discontinued. Seeds will hereafter be quoted by the pound and hundred pounds. You will find it more accurate, more fair, and more sensible than the old method of buying by the pint, peck, or bushel. Recommendations as to quantity to sow will be made on the pound basis instead of by measure.

There are several reasons for this change.

1. The weight of a bushel of one kind of seed is practically never the same as that of another kind of seed. Even the weights of two single bushels of the same commodity may differ, due to difference in size of the individual seeds, vegetables, or whatever makes up the bushel. The old system was, therefore, unavoidably inexact, frequently inaccurate, and never quite fair to both buyer and seller.

2. The new method is exact, accurate, and fair to all.

3. The new system permits of quicker, more accurate, parcel-post rating.

4. The Cental System, long used in Europe, is the coming method of selling seeds, vegetables, foods, etc. It has already been adopted by law in several states.

Parcel Post Information

Parcel Post rates now apply to all seeds, bulbs and plants and are subject to the same rates as all other merchandise. 1st and 2nd Zones include all places within a distance of 150 miles of Lewiston.

Rates of Postage for 4th Class Merchandise

Zone Distances	Zones	First Pound	Each Additional Pound
Lewiston and Rural Delivery,		.05	$ .00½ up to 70 Lbs.
Within 140 Miles,	1st and 2d	.05	.01 up to 70 Lbs.
150 to 300 Miles,	3d	.06	.02 up to 50 Lbs.
300 to 600 Miles,	4th	.08	.06 up to 50 Lbs.
600 to 1000 Miles,	5th	.09	.07 up to 50 Lbs.
1000 to 1400 Miles,	6th	.10	.09 up to 50 Lbs.
1400 to 1800 Miles,	7th	.11	.10 up to 50 Lbs.
*1800 Miles and over,	8th	.12	.12 up to 50 Lbs.

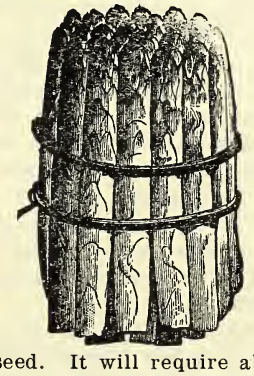
*Includes non-contiguous possessions.

ASPARAGUS

German,—Gpargel. French,—Asperge.
Spanish,—Esparragos.

One ounce for 60 feet of drill.

A convenient bed is about six feet wide, with a path two feet wide on each side. This will require six rows one foot apart, and a bed of that width 50 feet will be ample for an ordinary family, requiring about



one pound of seed. It will require about three years from the time of sowing until the bed is in full bearing, but once established, it is good for twenty years. It should be sown in drills one foot apart, and when the plants are four or five inches high they should be thinned out so that the plants will be nine inches apart from each other in all the rows. Great care must be taken for the first year to keep down all weeds as soon as they appear, else they will choke and destroy the young seedling Asparagus. The deeper the soil and the more manure used, the greater will be the crop.

Conover's Colossal. The best known, and one of the most desirable sorts. **Pkt., .10; oz., .20; ¼ lb., .60**

Palmetto. Shoots are very large and light green, also tender and very desirable for the market and home garden. Very quick in growth, with close, round-topped shoots. **Pkt., .10; oz., .20; ¼ lb., .60**

Asparagus Roots

A saving of one or two years is effected by planting roots. These offered below are strong, two-year-old roots, and the proper size for testing. These roots are not carried in stock but will be shipped direct from the growers. Prices on the following varieties will be quoted on application.

Columbia, Mammoth White, Conover's Colossal, Barr's Mammoth and Palmetto.

BEANS

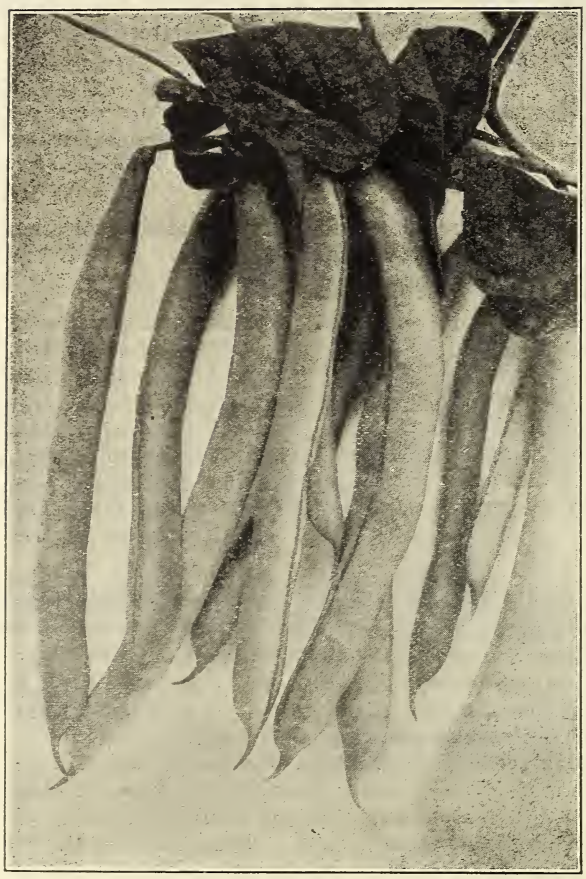
Dwarf or Bush

German,—Bohnen. French,—Haricot.
Spanish,—Frijole nano.

Two pounds to 100 feet in drills or 150 hills; two bushels to the acre in drills.

A succession of sowing can be made from the first week in May until August. Plant in drills about two inches deep, and from eighteen inches to two feet apart, according to the richness of the soil; the poorer the soil the closer they can be planted. The seeds should be dropped about two inches apart.

Add .06 per Lb.; each additional pound add .01 if to be sent by mail.



Improved Golden Wax Beans

Black German Wax. (Black Seed.) Very early; round, yellow pods; a well-known standard sort.
Pound, .30; Two Pounds, .50

Currie's Rust-proof Wax. Pods long, flat and straight, very productive and rust-proof; black seed.
Pound, .30; Two Pounds, .50

Improved Golden Wax. Rust proof. An improvement on the old Golden Wax. The pod is somewhat round, meaty and entirely rust proof.
Pound, .30; Two Pounds, .50

Green Pod Varieties

Stringless Green Pod. The pods are green, not quite as round as Valentine and less curved. The pods are stringless—absolutely—this quality at once placing the variety at the top of the list among table beans.
Pound, .30; Two Pounds, .50

Long Yellow Six Weeks. Pods are long, flat, straight green. **Pound, .30; Two Pounds, .50**

Low's Champion. Very productive, with stringless, large flat green pods. Excellent either as a string or shell bean. **Pound, .30; Two Pounds, .50**

Dwarf Horticultural. Pods are of medium length, slightly curved, and when nearly developed are freely splashed with bright red on the yellow skin. The green shell beans are of good size, tender, and of fine flavor. **Pound, .30; Two Pounds, .50**

Burpee's Bush Lima. The only Bush form of the true large Lima. Bushes grow to eighteen inches in height and always erect. **Pound, .35; Two Pounds, .65**

Improved Yellow-eye Bean. A fine field bean and very productive. **Pound, .20; Two Pounds, .35**

Old-fashioned Yellow-eye Bean. An excellent field bean and much preferred to the Improved Yellow-eye as a baking bean. **Pound, .20; Two Pounds, .35**

Red Kidney Bean. An easily raised bean and very productive. Also greatly prized by many for baking.
Pound, .20; Two Pounds, .35

Pea Beans. Native grown. Used for baking more than any other pea bean. **Pound, .20; Two Pounds, .35**

Sulphur Pea. Larger than the white pea bean; golden yellow color; early and of fine quality.
Pound, .20; Two Pounds, .35

White Kidney Bean. Good yielder. Almost entirely free from rust. One of the best baking beans on the market. **Pound, .20; Two Pounds, .35**

Soldier Bean. Similar in shape to the White Kidney, but much larger, and with brown markings. Excellent cropper and free from rust.
Pound, .20; Two Pounds, .35

Prices on above on application.

Pole or Running

German,—Stangen Bohnen. Spanish,—Judias.
French—Haricot a Rames.
One Pound to 150 hills.

These are more tender and require rather more care in culture than the Bush Beans, and should be sown two weeks later. They succeed best in sand loam, which should be liberally enriched with short manure in the hills, which are formed, according to the variety, from three to four feet apart. From five to six seeds are planted in each hill, about two inches deep.

Rough cedar or similar poles about seven or eight feet long should be used for these to climb on. The poles should be set in the ground at least eighteen inches, so as to prevent being blown over.

Add .06 per Lb.; each additional pound add .01 if to be sent by mail.

Black Wax, or Indian Chief. A superb snap bean; pods yellow and stringless. **Pound, .40; 2 Pounds, .75**

Scarlet Runners. Usually cultivated for the beauty of its scarlet flowers. **Pkt., .15; ½ Lb., .25**

King Horticultural, or Old Fashioned Speckled Cranberry. Pods bright carmine color; both beans and pods are much larger than the common kind.

Pkt., .20; Pound, .35; Two Pounds, .60

Kentucky Wonder. An excellent green podded variety; enormously productive, the long pods hanging in great clusters along the entire vine. Seed dark brown; entirely stringless.

Pkt., .20; Pound, .35; Two Pounds, .60

Lazy Wife. One of the best of the later green-podded pole beans for snaps. The pods borne in large clusters, are five to seven inches long, broad, thick, fleshy and entirely stringless. When young they have a rich, buttery flavor, which is retained until they are nearly ripe. The dry beans are excellent for winter use. Seed white. **Pound, .35; Two Pounds, .60**

Red Cranberry Pole. A popular string or snap bean; very productive with large and tender pod.

Pound, .35; Two Pounds, .65

Lima, King of the Garden. Heavy cropper—bean and pod very large. **Pound, .40; Two Pounds, .75**

BEET

German,—Runtel Rube. French,—Betterave. Spanish,—Beteraga.

A rather light soil, well enriched, is best suited to the cultivation of the various beets. The mangels and sugar beets in particular, require very liberal manuring. For an early crop of table beets, sow the seed as early as the ground is in condition to work; light frosts will not injure the young plants. For a main crop, sow the first of May; and for winter beets, the last of June. Sow in drills, 12 to 15 inches apart, and about one inch deep, pressing the earth firmly upon the seed,—a very important matter. Use about six pounds of seed per acre, 1 oz. 50 feet. Thin out when the plants are large enough. The varieties for table use should be left three or four inches apart.

TABLE BEETS

Crosby's Egyptian. This variety is as early as the original Egyptian, but by careful selection has been made thicker and of better quality.

Pkt., .10; oz., .20; ¼ lb., .50; lb., $1.25

Dewing's Early. Of deep red color, smooth and of fine form. One of the leading varieties, both for market and for family use.

Pkt., .10; oz., .20; ¼ lb., .50; lb., $1.25

Detroit Dark Red Turnip. An excellent beet for bunching for market; tops exceptionally small and upright; roots turnip shaped with small tap root. Color of skin dark blood red; flesh bright red. Quality is of the best, sweet and tender. One of the best varieties for the market gardener and the home garden. **Pkt., .10; oz., .20; ¼ lb., .50; lb., $1.25**

Early Eclipse. Very early, dark-red color, small top, and free from fibrous roots.

Pkt., .10; oz., .20; ¼ lb., .50; lb., $1.25

Edmand's. This variety is thoroughly fixed and uniform in type. The flesh is deep blood red in color, and exceedingly sweet and tender. It is round, smooth, of good market size, and does not grow overlarge. **Pkt., .10; oz., .20; ¼ lb., .50; lb., $1.25**

Haskell's Special Blood Turnip. We have a very fine strain of Blood Turnip Beet, of the Edmand's type. Very deep red fleshed, so much in demand in all markets. **Pkt., .10; oz., .20; ¼ lb., .50; lb., $1.50**

Swiss Chard or Silver Sea Kale. Used as greens and the ribs of leaves cooked and served as asparagus.

Pkt., .10; oz., .20; ¼ lb., .50; lb., $1.50

MANGEL-WURZEL AND SUGAR BEETS

Sow in April or May, using eight to twelve pounds to the acre.

Price of all varieties, **Oz., .15; ¼ lb., .30; lb., .75**

Improved Mammoth Long Red. An improvement on the old variety. The roots are very large, uniformly straight and well formed; proportionately thicker, and are deeper colored than the common sort, and with smaller tops.

Norbiton Giant. A mammoth, long-red variety, enormously productive, and keeps well; good for deep soils.

Lane's White Sugar. One of the best for feeding stock. Very sweet.

Mangel Danish Sludstrup. Long, reddish yellow. Grows well above the ground and easy to pull. More percentage of dry matter than in any known Mangel. Very heavy cropper.

MANGEL-WURZEL AND SUGAR BEETS (Continued)

Golden Tankard. Flesh a deep, rich yellow; very sweet and nutritious. Half long in shape. A very heavy cropper.

BRUSSELS SPROUTS

(Species of cabbage; cultivation the same)

German,—Rofen-Kohl. French,—Chou de Bruxelles.
Spanish,—Berza de Brussels.

One ounce will sow a bed of forty square feet, and produce about 3,000 plants.

This is a delicious vegetable, superior to either borecole or spinach. The small, cabbage-like heads which grow upon the stem are much improved by a moderate frost. Sow in hotbeds in March or April, and in the open ground in May.

Dwarf Improved. Produces excellent, compact sprouts; very sure cropper.

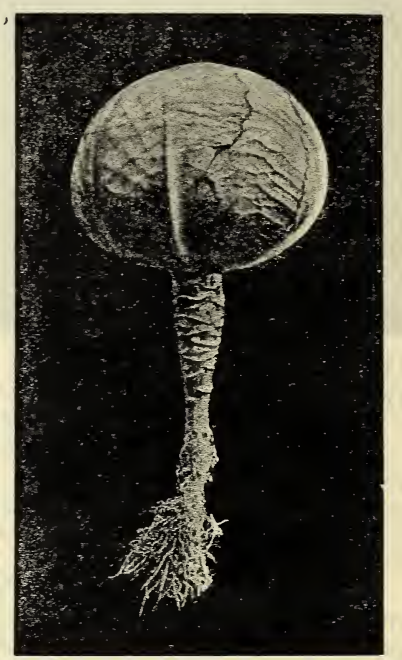
Pkt., .10; oz., .20; ¼ lb., .75

CABBAGE

German,—Kopf-Kohl. French,—Chou Pomme.
Spanish,—Berza.

One ounce of seed produces about 3,000 plants.

Early varieties are grown from seed sown in hotbeds in February or March, only moderate bottom heat being required. Transplant into other frames without much, if any, bottom heat, as soon as the plants show the fourth leaf. In April, or as soon as the ground can be easily worked, set out in rows three feet apart, and about eighteen inches between the plants. The ground should be thoroughly stirred with cultivator and hoed every week till the plants cover the ground. For a fall crop, sow in the open ground in May, in hills the proper distance apart, using a liberal quantity of manure in the hill, besides that which is plowed in; thin out to one good plant in each hill. In the same way crops may be sown to lay in for the winter use, planting seeds as late as July 1. Seeds can also be sown in shallow drills when the plants are large enough, can be transplanted, setting the plants in rows three feet apart and two feet apart in the row. If the young plants are troubled with the cabbage fly, sprinkle them with tobacco dust, air-slaked lime, slug-shot or wood ashes, while the dew is on them. To keep off the cabbage worm, sprinkle with Dalmatian insect powder or Bug Death.



Danish Ball Head

The wide and unfailing popularity of the Danish Ball Head cabbage is simply wonderful. It seems to adapt itself to all soils and conditions.

The leading characteristics of the Danish Ball Head cabbage are: First, that it is a sure header; second, that it is of unapproachable solidity and weight; third, that it is an extra good keeper; and fourth, that it is a good seller.

It is a medium to late cabbage, but is generally grown as a late crop. It is sure to head, the heads being round, hard and extremely heavy, though not extra large. It can be grown in close quarters, on account of its compact habit.

Pkt., .10; oz., .40; ¼ lb., $1.50

All Seasons. An early Drumhead, sure heading, solid variety. Desirable for early or fall use.

Pkt., .10; oz., .40; ¼ lb., $1.25

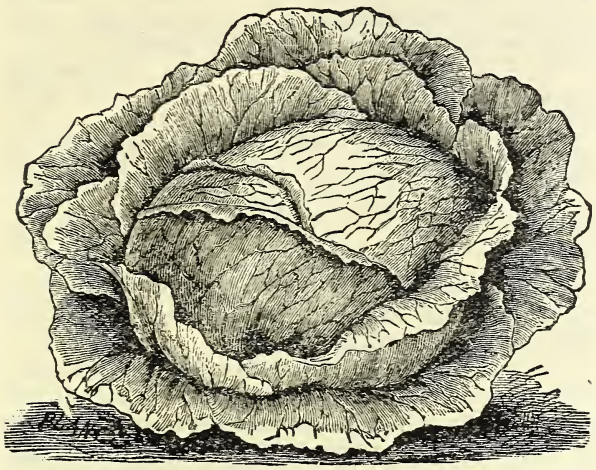
Charleston Wakefield. Grows to a much larger size than the Jersey Wakefield. Very productive and a good shipping variety.

Pkt., .10; oz., .40; ¼ lb., $1.25

Mammoth Rock Red. The largest heading of any of the red sorts, of deep rich color, and excellent quality. **Pkt., .10; oz., .40; ¼ lb., $1.25**

Sure Head. A fine variety for main crop. A good shipper and sure header.

Pkt., .10; oz., .40; ¼ lb., $1.25



Warren's Stone Mason

Warren's Stone Mason. An improvement on the Stone Mason Drumhead; heads rounder, firmer and earlier; is an extra good keeper.

Pkt., .10; oz., .40; ¼ lb., $1.25

Savoy Improved American. The finest flavored of all the cabbage family, large and solid.

Pkt., .10; oz., .40; ¼ lb., $1.25

Early Winningstadt. An early variety of excellent quality, not as early as the Wakefield.

Pkt., .10; oz., .40; ¼ lb., $1.25

Henderson's Early Summer. A standard summer variety. We have the true stock.

Pkt., .10; oz., .40; ¼ lb., $1.25

Early Jersey Wakefield. A standard early variety for home use or market.

Pkt., .10; oz., .40; ¼ lb., $1.25

Red Dutch for pickling or for salads.

Pkt., .10; oz., .40; ¼ lb., $1.25

Succession. A sure-headed, long-keeping variety, very similar to All Seasons, but maturing a little later. Heads deep and very firm.

Pkt., .10; oz., .40; ¼ lb., $1.25

Copenhagen Market. Extra early variety, ball shaped and evenly maturing. Best for market gardeners. **Pkt., .10; oz., .40; ¼ lb., $1.50**

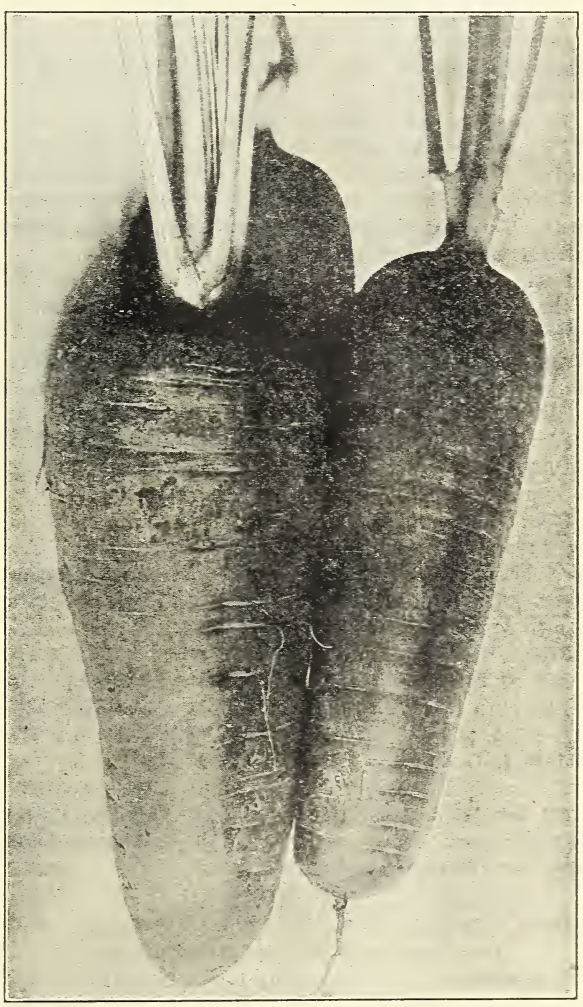
Enkhuizen Glory. It is an early cabbage, but still of large size, solid and of the best quality. It is one of the largest early cabbages we have seen, and may be set out as late as the last of July or first of August in this latitude, and will make large, fine heads for late fall or winter use. The great merit of this cabbage lies in the perfect uniformity of its growth. The plants are compact, have few outside leaves. can be planted close together, and will produce a very large crop. **Pkt., .10; .oz., .40; ¼ lb., $1.50**

CARROT

German,—Rhore. French,—Carrotte.
Spanish,—Zanahoria.

One ounce will sow 100 feet of drill; 3 pounds required for an acre.

Carrots require a very finely pulverized soil to grow them to perfection. A good, light and well-enriched sandy loam is the best for this crop. For field culture, sow in drills 2½ feet apart, so as to cultivate by horse. Market gardeners sow in drills about 15 inches apart and cultivate by hand. For early crops cover ½ inch deep, and thin to 6 inches apart in the rows; for late, cover ¾ inch deep and thin to 4 inches.



Danvers Half-Long Carrot

¶ PULVERIZED SHEEP MANURE is an excellent fertilizer for Gardens and Lawns. It is entirely free from weed seeds. Put up in 50 and 100 lb. bags.

Danvers Half-Long. One of the heaviest croppers; roots dark orange color, 8 to 10 inches in length, and ending in a somewhat abrupt point; first class for all soils. **Pkt., .10; oz., .20; ¼ lb., .60**

Oxheart, or Guerande. Roots short and very thick, and intermediate between Scarlet Horn and Chantenay; color deep orange; fine grained.

Pkt., .10.; oz., .20; ¼ lb., .60

Large White Belgian. Roots very large and smooth; grown exclusively for stock feeding. Grained.

Pkt., .10.; oz., .20; ¼ lb., .60

Improved Long Orange. The best known and most largely cultivated of any Carrot; excellent for stock or table use. Roots deep orange, 12 to 15 inches long.

Pkt., .10.; oz., .20; ¼ lb., .60

CAULIFLOWER

German,—Blumenkohl Spanish,—Coliflor
French,—Chou-fleur.

One ounce of seed will produce 1,500 to 2,000 plants if sown in open ground, or about 3,000 in frames.

To raise good Cauliflower there is nothing so essential to success as good seed. The best Cauliflower seed is very expensive, but it is worth to the grower ten times as much as cheap and carelessly grown seeds. The best results are obtained from using Snowball for main late crop, as well as for early use.

Early Cauliflower are difficult to raise and are not of the best quality, but when the plants are set out in July and the heads form in October, there is no difficulty in getting fine, large heads of first-class quality. The seed should be sown in open ground or cold frames about the middle of May or first of June, on good soil. When plants are large enough, transplant to rich, moist soil. These remarks refer to Snowball for main late crop, as well as for early use.

Henderson's Early Snowball. This is undoubtedly the finest ever introduced. It is the earliest and produces beautiful snow white heads of the most delicious flavor. The seed we offer is pure and genuine, and sure to prove satisfactory. **Pkt., .20; oz., $2.50**

Extra Selected Dwarf Early Erfurt. The finest strain of the Erfurt Cauliflower; almost as early as the Snowball; grows about 15 inches high; producing very solid, pure white heads of the very finest quality; seldom fails to form a good sized head.

Pkt., .15; oz., $2.50

All kinds of Insecticides, Spray Pumps, Power Sprayers, etc., always on hand. Call and examine or write for catalogue and prices.

CELERY

German,—Sellerie French,—Celeri Spanish,—Apio

One ounce will produce 3,000 plants

Sow seed the first or second week in April in hotbed or cold frame. As soon as the plants have attained a height of three inches transplant, setting them four inches apart. As fall approaches draw earth up to the plants, keeping the stalks well together. When well blanched it is ready for use. Some of the varieties, such as Golden Self-Blanching and White Plume, may be blanched by simply placing a board 12 to 15 inches wide on edge on each side of the row.

Boston Market. The best and most popular sort for cultivation. **Pkt., .10; oz., .75**

Giant Pascal. A strong grower and wonderful keeper. Quality very fine. **Pkt., .10; oz., .50**

Golden Self-Blanching. A self-blanching early golden-colored variety that is very popular.

Pkt., .10; oz., .75

White Plume. A variety that can be more easily grown than any other, as it does not require high banking to blanch the stalks. Simply earthing up enough to keep the stalks together or by passing a string around each plant is sufficient.

Pkt., .10; oz., .50

CORN—Sugar

German,–Welfchkorn. Spanish,–Maiz. French,–Mais.
One Half Pound will plant 50 hills; 12 Pounds will plant one acre in hills.

Corn requires a good soil and a warm situation. Commence for first early by planting the early varieties about May 1, and if a continuous supply is wanted all summer, make plantings about two weeks apart from May 1 until the last of July, first planting early varieties, then later ones. Plant in rows 3 feet apart, and make the hills about the same distance apart in the rows. Five kernels in the hills are plenty. Cover about 1 inch deep for early and a little deeper for late. Thin to 3 plants in a hill. Add 6 cents per lb. and for each additional lb. to the same address add 1c, if to be sent by mail.

Crosby's Early

Crosby's Early. An early corn of large size and choice quality. It has long been a standard variety.

Lb., .20; 2 lbs., .35; 12 lbs., $2.00

Early Red Cory. This variety is the favorite for first early. **Lb., .20; 2 lbs., .35; 12 lbs., $2.00**

White Cob Cory. This is an improvement over the Early Cory as the cob is white which gives it a finer appearance. It is as early as the Early Cory and of excellent quality. **Lb., .20; 2 lbs., .35; 12 lbs., $2.00**

Stowell's Evergreen. The best late corn for all purposes. It has been a leader for many years as a main crop variety and is unexcelled as a market corn.
Lb., .20; 2 lbs., .35; 12 lbs., $2.00

Country Gentleman. This is the finest of the medium late varieties. The rows are zigzag with long slender kernels of delicious flavor.
Lb., .20; 2 lbs., .35; 12 lbs., $2.00

Black Mexican. This corn when in condition for the table cooks remarkably white; but the ripe grain is black or bluish-black. It is surpassed by none in tenderness. **Lb., .20; 2 lbs., .35; 12 lbs., $2.00**

Golden Bantam. The fact that the grains of this variety are yellow is an indication of hardiness and its value for early planting and early maturity. It is a rapid grower, and produces ears measuring about 5 inches, but the smallness of ears is fully made up by the deliciously sweet flavor and tender quality of the corn when cooked. It is a fine variety for the home garden. **½ lb., .15; lb., .25; 2 lbs., .40; 12 lbs., $2.00**

FIELD AND FODDER CORN

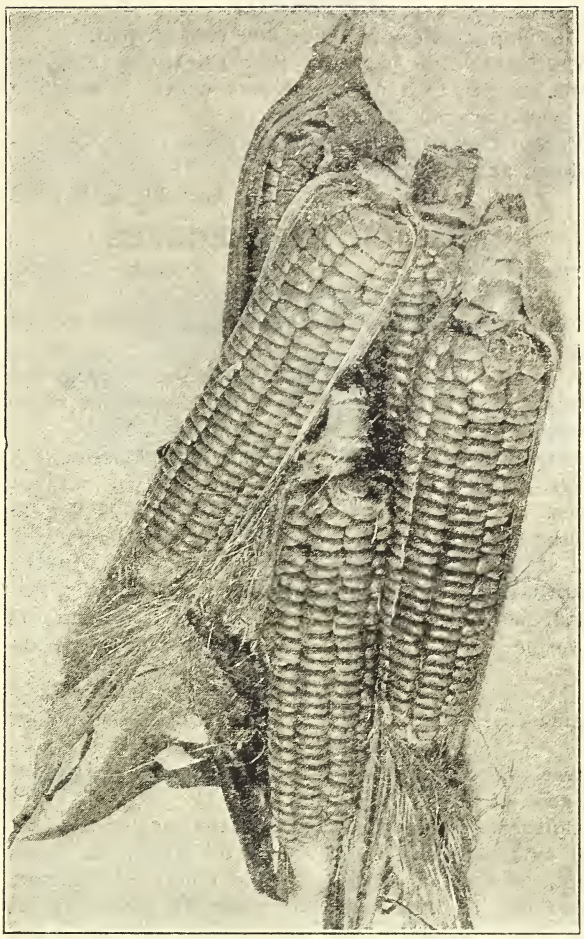
Prices will be quoted on application on the following corns. Please give the amount desired as well as the kind in all cases.

Southern White. A white variety that no silo owner or dairy farmer should overlook. It grows 12 to 16 feet high; has broad foliage and tender stalks. There is no better fodder to keep up the flow of milk during hot weather when the grass is burned up. Heavy cropper.

Leaming. An early, very heavy, long-eared corn. Grows to medium height with large amount of foliage. One of the best ensilage corns, very much relished by stock. Cob red, grain yellow.

Red Cob. A very large-growing white dent corn, with red cob. Fodder sweet, juicy and tender. Very popular in northern dairy districts.

Sanford. A well-known variety, adapted to the whole of New England. Kernels silvery white flint color; large and broad. An excellent fodder and ensilage corn.

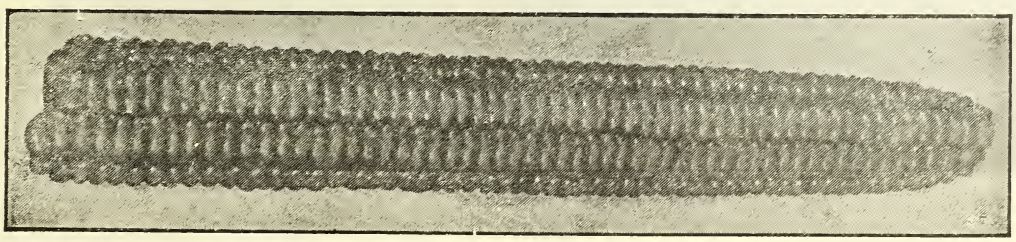


Golden Bantam

Eureka. One of the tallest and best ensilage corns grown. Grows very tall and is very productive of ears and leaves. For the silo this corn is rarely equalled.

Early Canada. An eight-rowed, yellow flint variety with small cob and deep grain. This is one of the earliest and best and seldom fails to produce a crop. The Early Canada seed we have to offer was grown in this State.

HASKELL'S PRIZETAKER CORN. This corn has fully maintained its past record as being the very best flint corn grown. This corn showed a test of 12.2 per cent. protein, 5.51 fat and 78.56 carbohydrates, which makes it the highest test corn from a good food value of any of the known flints or dents. On a recent test of this corn, 70 pounds of ears made 63 pounds of shelled corn. This makes an exceptionally fine corn for an ensilage corn as it grows when planted for ensilage very rank, being 10 or 12 feet tall, and the stalks are very fine grain, making a much more profitable corn for ensilage than any of the dent varieties. We have this corn both on the cob and shelled.



Haskell's Prizetaker Corn

CHERVIL

One ounce will sow about 300 feet of drill.

Cultivated like parsley. Sow thickly in May, in drills half an inch deep, one foot apart. Use while the leaves are young and tender.

Curled Chervil. The young leaves are used for garnishing, and flavoring soups.

Pkt., .10; oz., .20; ¼ lb., .45

CRESS OR PEPPERGRASS

German,—Areffe. French,—Cresson
Spanish,—Masuerzo.

One ounce will sow 16 square feet, or 150 feet of drill.

A popular salad, which should be sown early in the spring—very thickly in shallow drills—and at short intervals, for success, as it soon runs to seed.

Extra Curled. A small plant, having a fine pungent flavor, and used as a salad; may be cut two or three times. **Pkt., .10; oz., .15; ¼ lb., .35**

True Water Cress. Grows along the banks of ponds and streams, and is easily introduced, wholly unlike Extra Curled; leaves are quite large and thick; a fine salad, sold in immense quantities in the large markets in spring. **Pkt., .10; oz., .60; ¼ lb., $1.25**

CUCUMBER

German,—Gurfe. French,—Concombre
Spanish,—Pepino.

One ounce will plant 50 hills; 2 pounds will plant an acre.

Culture.—For earliest use, sow the seed in the hot-bed or greenhouse in February or March, in warm loam, where the temperature is about 90 degrees. Cover half an inch deep, and when the plants are of fair size transplant into hills (made in the greenhouse) four plants in a hill, so that when the weather permits the whole hill can be moved to the open ground by means of tins made for that purpose. Plant for general use in the open ground about June 1, in hills 6 feet each way, and thin to three plants in a hill. Fine old manure (about six cords per acre) is sufficient; or, better still, plant on land from which a crop has been taken, and which was heavily manured for that crop.

Davis Perfect. As now selected, this popular new variety is well worthy of praise. The long, even fruits are of fine form, with an intensely dark rich green skin. With very few seeds the solid white flesh is of superb quality for slicing. So handsome and regular are the fruits that they bring an extra price on market—often being taken for "hot-house grown." The vines are of strong growth and quite prolific.

Pkt., .05; oz., .15; ¼ lb., .50

Extra Early Russian. Earliest variety known; hardy and productive. Fruit very small and quality fine for pickling and slicing.

Pkt., .05; oz., .15; ¼ lb., .50

Early Cluster. Fruit borne in pairs; light green; a great bearer. **Pkt., .05; oz., .15; ¼ lb., .50**

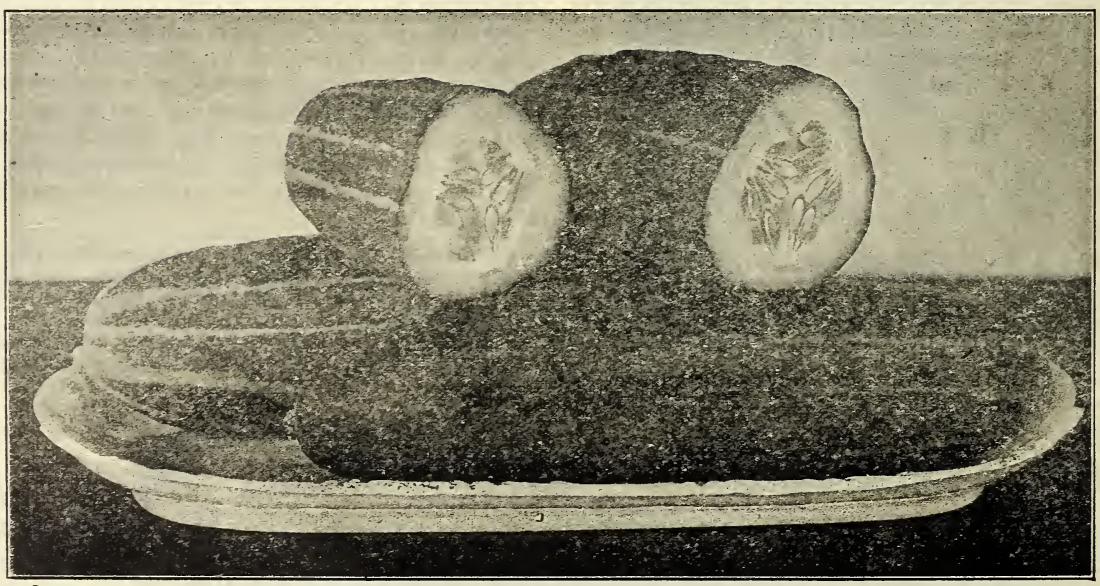
Early Frame or Short Green. An excellent sort, both for table use and for pickling. Plants very vigorous and productive. Fruit straight, a little smaller at the end, bright green, lighter at the blossom end. Comes into use a little later than the Early Cluster and keeps green a long time. Our stock is very superior. **Pkt., .05; oz., .15; ¼ lb., .50**

Boston Pickling. Fruit short, smooth and pointed at each end, bright green and a great yielder; one of the best pickling. **Pkt., .05; oz., .15; ¼ lb., .50**

White Spine Improved. The most popular strain of White Spine, and for general out-door culture, the best. **Pkt., .05; oz., .15; ¼ lb., .50**

Long Green Improved. Fine for pickling when small; good for table use when about half grown.

Pkt., .05; oz., .15; ¼ lb., .50



White Spine Cucumber

Japanese Climbing. Vines are extra strong and foliage much more vigorous than other kinds, and being a climbing sort, can be grown on trellises, etc., saving much valuable space in small gardens. It is very prolific, from forty to fifty cucumbers having been counted on single plants. Fruit cylindrical, about ten inches long, thick and of fine flavor.

Pkt., .05; oz., .15; ¼ lb., .50

DANDELION

German,—Lowenzahn. French,—Pissenlit.
Spanish,—Amargon.

One ounce will sow 100 feet of drill.

The Dandelion resembles endive, and affords one of the earliest as well as one of the most healthful spring greens. Sow as early as the weather will permit, in good, well-enriched soil, in rows 12 inches apart, covering seed ¼ of an inch deep, and firming the soil well over them. Thin to two or three inches apart in the rows; by so doing the roots will be larger and a great amount of time will be saved the next spring in trimming or gathering the crop. One pound per acre is sufficient.

Improved Thick-Leaved. Cultivate for spring greens; an immense improvement on the common dandelion, both in size and thickness of its leaves and fine flavor, being far less bitter.

Pkt., .10; oz., .75; ¼ lb., $2.50

EGGPLANT

German,—Gierpanze. French,—Aubergine.
Spanish,—Berengena.

The Eggplant will thrive well in any good garden soil, but will repay good treatment. The seeds should be sown in hotbed or warm greenhouse in March or April, and when about an inch high potted in two-inch pots. Plant about June 1, two and one-half feet apart.

New York Improved Purple. The leading market variety, and undoubtedly the best for size, quality and productiveness. **Pkt., .10; oz., .60**

ENDIVE

German,—Gendive. French,—Chicoree.
Spanish,—Endivia.

One of the most refreshing and attractive of all autumn and winter salads. Sow seed from the middle of June until the end of August.

Endive

Green Curled. Beautifully curled, tender and crisp.

Pkt., .10; oz., .20; ¼ lb., .75

Moss Curled. More finely curled, and a heavier and more dense plant than Green Curled.

Pkt., .10; oz., .20; ¼ lb., .75

Broad-leaved Batavian (Escarolie). This variety is chiefly used in soups and stews; requires to be tied up in blanching. **Pkt., .10; oz., .20; ¼ lb., .75**

Kale

KALE OR BORECOLE

German,—Blatter-Kohl. French,—Chou Vert.
Spanish,—Breton.

One ounce will produce 3,000 plants.

Sow from the middle of April to the beginning of May in prepared beds; transplant in June, and treat in the same manner as for cabbage. Of all the cabbage tribe this is the most tender and delicate. The varieties are all extremely hardy, and are best when touched by frost.

Dwarf German Purple, or Brown Curled. Very hardy and of fine quality; so handsome that it is frequently grown for ornament.

Pkt., .10; oz., .20; ¼ lb., .75

Dwarf Green Curled Scotch. Rarely exceeding 18 inches in height, but spreading out under good cultivation to 3 feet in diameter; leaves beautifully curled and bright green. **Pkt., .10; oz., .20; ¼ lb., .75**

KOHL RABI

German,—Rohl-Rab. French,—Chou-Rave.
Spanish,—Col de nabo.

One ounce will sow 200 feet of drill.

This vegetable, the popularity of which is rapidly increasing, combines the virtues of the turnip and cabbage, but excels both in nutritive, hardy and productive qualities. The seed may be sown in June in rows 18 inches apart, and the plants thinned out to eight or ten inches in the rows.

Early White Vienna. Best for general table use; flesh tender and white. **Pkt., .10; oz., .25; ¼ lb., .75**

Purple Vienna. A little later than the White; color bluish purple. **Pkt., .10; oz., .25; ¼ lb., .75**

Large Green or White. Good for table and also for feeding stock. **Pkt., .10; oz., .25; ¼ lb., .75**

LEEK

German,—Lanch. French,—Poireau.
Spanish,—Puerro.

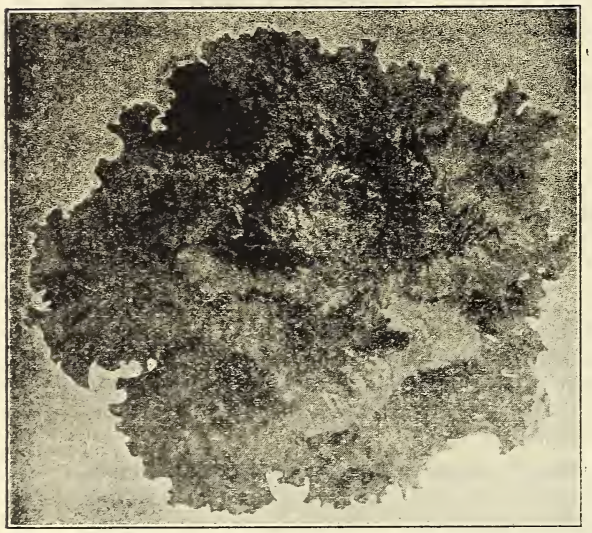
One ounce will plant 200 feet of drill.

The leek is very hardy and easily cultivated; it succeeds best in a light but well-enriched soil. Sow as early in the spring as practical in drills one inch deep and one foot apart. When six or eight inches high they may be transplanted in rows ten inches apart each way as deep as possible, that the neck, being covered, may be blanched.

London Flag. Very popular with market gardeners. **Pkt., .10; oz., .25; ¼ lb., .75**

American Flag. **Pkt., .10; oz., .25; ¼ lb., .75**

LETTUCE



German,—Lattich. French,—Laitue.
Spanish,—Lechnga.

One ounce will sow 120 feet of drill.

Requires a rich, moist soil, and to be crisp and tender needs to be grown in cool weather. For winter use, sow in hotbeds every two weeks, at the rate of one ounce of seed to four sashes (a sash is three feet long by six feet wide); cover very lightly, and transplant, first to three inches apart each way, afterward to eight inches. For garden or field, sow in rows, and cover one-fourth of an inch deep and thin out to 12 inches apart in the rows. For New England the White Seeded Tennisball for cultivation under glass, and the Black Seeded Tennisball for outdoor use are the standard varieties.

Big Boston. A most desirable variety, either for forcing in cold frames or open ground planting; always produces large, solid, saleable heads.
Pkt., .05; oz., .15; ¼ lb., .40

Boston Curled. Of ordinary quality but great beauty; highly ornamental in growth with its frilled leaves. **Pkt., .05; oz., .15; ¼ lb., .40**

Prize-Head Early. Leaves green and red, very thin, crisp and tender; one of the best for private use.
Pkt., .05; oz., .15; ¼ lb., .40

Tennisball, Black-Seeded. A very popular sort for open-ground culture; forms a handsome head, and is crisp and tender. **Pkt., .05; oz., .15; ¼ lb., .40**

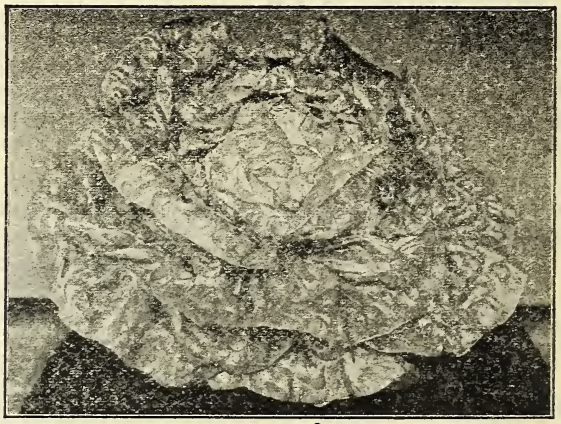
Tennisball, White-Seeded. Extensively grown for forcing and heading under glass; heads firm and good. Crisp. **Pkt., .05; oz., .15; ¼ lb., .40**

Simpson Early Curled (White Seed). A leading early sort for forcing or open ground.
Pkt., .05; oz., .15; ¼ lb., .40

Tomhannock. A variety with upright leaves, beautifully wrinkled, edges of outer leaves have reddish tinge; one of the best. **Pkt., .05; oz., .15; ¼ lb., .40**

Boston Market. One of the best for forcing under glass, as well as for outside use; forms fair-sized heads, edge of leaves slightly tinged with red.
Pkt., .05; oz., .15; ¼ lb., .40

May King. Probably the finest all-seasons lettuce yet introduced. It is very early and hardy, and will stand cold, damp weather better than many varieties. Planted out of doors or under glass it will produce fine solid heads much sooner than any other variety. Outer leaves are yellowish green, tinged with brown, while the inside is a rich yellow.
Pkt., .05; oz., .15; ¼ lb., .40



May King

Grand Rapids. An excellent forcing variety with loose heads and of good size and form.
Pkt., .05; oz., .15; ¼ lb., .40

Brown Dutch. Leaves large, thick, green, tinged with brown; forms large, solid heads; exceedingly hardy. **Pkt., .05; oz., .15; ¼ lb., .40**

Hanson. Large, solid heads; tender, crisp, and of a fine flavor. **Pkt., .05; oz., .15; ¼ lb., .40**

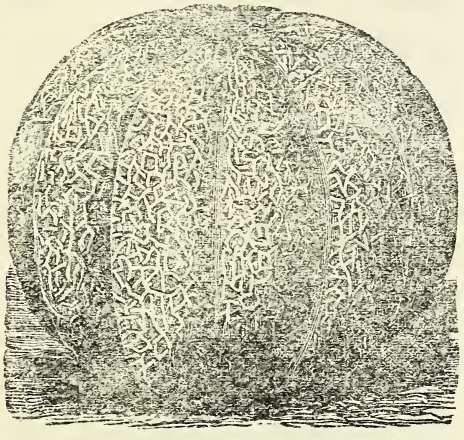
White Paris Cos. Has long, narrow, upright leaves; does not head, but when tied up blanches very nicely.
Pkt., .05; oz., .15; ¼ lb., .40

MELON, MUSK

German,—Melone. French,—Melon
Spanish,—Melon.

One ounce will plant about 50 hills (2 to 3 pounds in hills) per acre.

Melons thrive best in a light, rich soil. Plant early in May, when the ground has become warm and dry, in hills six feet apart each way for Muskmelons; eight feet for Watermelons. Previous to sowing the seed mix a few shovelfuls of well-rotted manure in each hill, and plant in each twelve to fifteen seeds; after all danger of bugs is over, thin out to three plants per hill. When about one foot long, pinch off the tips to make them branch, as it strengthens the growth of the vines and makes the fruit mature earlier. Feed liquid manure occasionally. A few hills for early use may be had by sowing on pieces of sod in a hotbed, and when warm enough transplant to open ground.



Musk Melon.

Emerald Gem Melon. The Emerald Gem is entirely unlike any other musk melon yet introduced. The melons are about the size of the Netted Gem, but unlike that variety, the skin, while ribbed, is perfectly smooth, and of a very deep emerald green color. The flesh which is thicker than any other native melon of the same size, is of a suffused salmon color, and ripens thoroughly to the thin green rind, which is distinctly defined. The flesh is peculiarly crystalline in appearance, and so very juicy, sweet and rich that it almost drops to pieces. It matures very early and is quite productive. **Pkt., .05; oz., .15; ¼ lb., .50**

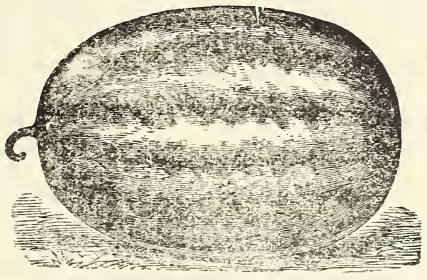
Rocky Ford. This new Muskmelon is similar to the oval strain of Netted Gem. The strain here offered originated with the melon growers in the vicinity of Rocky Ford, Col., who have shipped this melon from that distant Western point to Eastern markets. The melons grown by them are so fine in quality as to outsell all others, and the demand for such melons has been far beyond the supply.

Pkt., .05; oz., .15; ¼ lb., .50

Long Yellow Musk. A long, large melon of peculiar musky flavor; a rich, yellow color, both inside and out.

Pkt., .05; oz., .15; ¼ lb., .50

Early Hackensack. An improvement over the old Hackensack, producing melons of as good quality and ten days earlier. Large fruit, with thick, green flesh of the finest flavor. **Pkt., .05; oz., .15; ¼ lb., .50**



MELON, WATER

German,—Waffermelone. Spanish,—Zandia.
French,—Melon d'Eau.

One ounce will plant 50 hills.

Prices on all varieties of Watermelons as follows: .05 per pkt.; .10 per oz.; ¼ lb., .35.

Citron for Preserves. The old and well-known Preserving Citron; seeds red.

New Florida Favorite. An improvement on the old Florida Favorite, growing to double the size and more prolific. Its perfect shape, bright red crisp flesh, and delicious flavor, make it one of the best melons grown.

Phinney's Early. This is another very early melon, earlier than the preceding; it is hardy and a sure cropper and extensively cultivated in the North.

Peerless or Ice Cream. Very early; flesh firm and sugary.

Cuban Queen. Very productive; flesh bright red, very solid, crispy and sugary.

MUSTARD

German,—Senf. French,—Moutarde.
Spanish,—Mostaza.

One ounce will sow 75 feet of drill.

As an ingredient, the green Mustard imparts a delightfully pungent flavor to the various forms of prepared salads. For early crops the seed may be sown in a hotbed in March, and for general crop at frequent intervals through the spring, in drills from eight to twelve inches apart.

White London. Considered the best for salads and spinach; leaves light green. It is best when about four inches high. **Pkt., .05; oz., .10; ¼ lb., .15**

Brown or Black **Pkt., .05; oz., .10; ¼ lb., .15**

ONION

Select the cleanest, richest land on the farm for the Onion crop. If Onions were grown on the land the previous year, so much the better, but any good corn or potato land will do. Broadcast fifteen to twenty cords of fine, well-rotted manure to the acre and plow not deeper than six inches; harrow thoroughly, cross plow, and harrow again, after which hand rake with wood rake and remove stones and rubbish. Sow four

to five pounds of seed per acre in drills twelve to fourteen inches apart and about one-half inch deep. See that the Seed Drill is equipped with a good roller, that will press the earth firmly upon the seed. Sow as early in the spring as the ground can be properly worked. There is seldom necessity for thinning Onions if the land has been properly manured and seeded. After the Onions are three to four inches high, an application of about five hundred pounds to the acre of fertilizer, rich in available nitrogen, strewn between the rows, will be very beneficial. Keep the Onions growing by never allowing the weeds to get ahead and the acre should produce in a good average season, five hundred to seven hundred bushels. When the tops are down, the Onions may be pulled and left on the ground, and should be frequently turned with a wooden rake until tops are dried.

Yellow Globe Danvers

Yellow Globe Danvers. Undoubtedly the best known and most popular of all onions; the earliest yellow variety; is entirely free from stiff necks. Globular in shape; has a small top. It is the most productive onion grown. **Pkt., .10; oz., 30; ¼ lb., .75**

Large Red Wethersfield. We have a very fine and select strain of this sort. Color is deep purplish red, flesh white, moderately grained and very firm. Yields enormously and is one of the best winter keeping onions. **Pkt., .10; oz., .30; ¼ lb., .75**

White Portugal, or Silverskin. A large, flat, white onion of mild and pleasant flavor; hard and fine grained, and a good keeper. Extensively sown for sets, and is also largely grown for pickling.

Pkt., .10; oz., .30; ¼ lb., .75

Southport Red Globe. The onions from Southport, Ct., generally command an extra price in New York markets, because of their beautiful shape and color, due partly to the variety grown and partly to the favorable soil and the extra care taken in handling the crop. **Pkt., .10; oz., .30; ¼ lb., .75**

Prize-Taker. A globe-shaped variety of delicate straw color, growing to a very large size. It ripens up hard and firm, the flesh being pure white. Fine grained and of fine, mild, delicate flavor.

Pkt., .10; oz., .30; ¼ lb., .75

ONION SETS

Potato Onion Sets	**lb., .30;**	**8 lbs.,**	**$1.75**
Red Bottom Sets	**lb., .30;**	**8 lbs.,**	**1.75**
White Bottom Sets	**lb., .30;**	**8 lbs.,**	**1.75**
Yellow Bottom Sets	**lb., .30;**	**8 lbs.,**	**1.75**
Top Sets	**lb., .30;**	**8 lbs.,**	**1.75**

Onion sets should be planted as early in the spring as convenient to obtain early green onions, but they may be set at any time up to June 1. Set in rows a foot apart and three to four inches between them in the row. Any good soil will suit them. When grown in quantities, high cultivation is given in order to forward the crop for an early market. They are ready for use as soon as the bulbs begin to be of fair size. Those not used in green condition will ripen early in July and make nice onions. Potato and Top onions are grown from bulbs only.

Moss Curled

PARSLEY

German,—Peterfile. French,—Persil.
Spanish,—Perejil.

One ounce for 150 feet of drill.

Parsley succeeds best in rich, mellow soil. As the seed germinates very slowly, it should be sown early in spring, previously soaking the seed for a few hours in tepid water. Sow thickly in rows a foot apart and half an inch deep.

Champion Moss Curled. The standard variety.

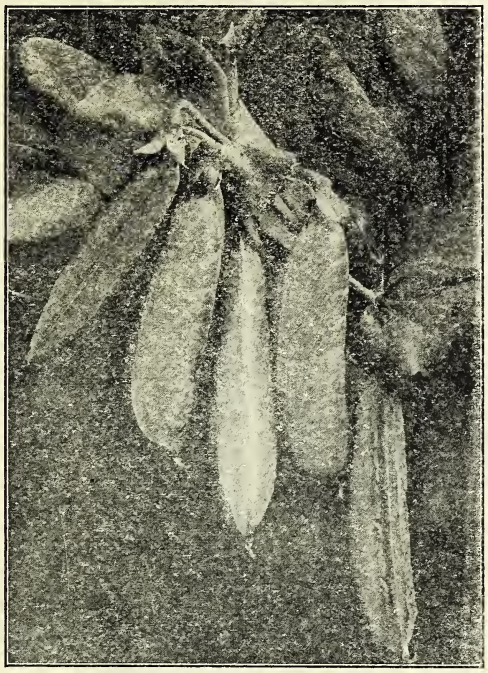
Pkt., .05; oz., .20; ¼ lb., .50

Buy one of our Garden Seeders. You can save the price of it in one season in time and seed. It is the most economical of seeders made. Send for catalog and prices.

German,—Erbren. **PEAS** French,—Pois.
Spanish,—Guizante.

One pound for 50 feet of drill; one to two bushels in drills for an acre.

Peas come earliest to maturity in light, rich soil. For general crop, a deep loam or a soil strongly inclined to clay is best. For early crops decomposed leaves or leaf-mold should be used; or, if the soil is very poor, strong manure may be used. For general crops a good dressing should be applied, and for the dwarf-growing kinds the soil can hardly be too rich.



Sutton's Excelsior

When grown as a market crop, peas are never staked; for private use they are generally sown in double rows, and the tall varieties staked up by brush. For an early crop sow as soon as the ground can be worked, and make repeated sowings every two weeks for succession. After the first of June sowing should be discontinued until the middle of August, when a good crop may sometimes be secured by sowing an extra-early sort for fall use.

If sent by mail add .06 per lb.; and for each additional lb. to same address add .01.

All marked thus (*) indicate wrinkled varieties.

Extra Early Dwarf Varieties

***Bliss American Wonder.** An old variety, but still highly prized for its flavor and quality. Of dwarf, robust habit, growing twelve to fifteen inches in height, and bearing an abundance of good-sized, well-filled pods. **Lb., .30; 2 lbs., 50; 14 lbs., $3.00**

***Sutton's Excelsior.** Ripens early on vines fourteen to sixteen inches high, covered with a great abundance of long, straight, broad pods of a pale green color. Price **Lb., .30; 2 lbs., .50; 14 lbs., $3.00**

***Nott's Excelsior.** This is the earliest dwarf wrinkled pea. The plant is dwarf and needs no support. The pods are of good size and well filled with large peas of the finest quality. It is as early as the American Wonder, while the vines are much more productive and the pods of larger size. There is no better early dwarf pea. Fifteen inches.

Lb., .30; 2 lbs., .50; 14 lbs., $3.00

***Laxtonian.** One of the best dwarf wrinkled peas for the market gardener. Pods about 4 inches long, resembling those of Gradus, but ripening a little earlier. Vines productive and vigorous; average height less than 18 inches.

Lb., .30; 2 lbs., .50; 14 lbs., $3.00

***Pioneer.** An improvement on the popular Laxtonian. Vines about 20 inches high; color, light green. Vigorous growth. The pods pointed and a little darker in color than the vine. Considered fully four days earlier than the Laxtonian.

Lb., .30; 2 lbs., .50; 14 lbs., $3.00

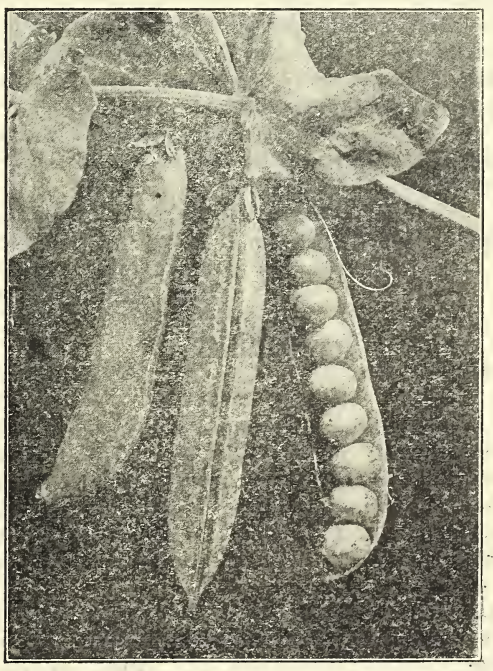
Extra Early Variety Not Dwarf

Alaska. An extra early round pea bearing pods of a dark green color; two feet.

Lb., .30; 2 lbs., .50; 14 lbs., $3.00

***Gradus or Prosperity.** It combines the finest quality with extreme earliness, and is also productive, bearing pods fully as large as Telephone. The color of the shelled peas is a beautiful light green, which color they retain after being cooked; the quality and flavor are delicious, and the peas remain tender and sweet for a long time.

Lb., .30; 2 lbs., .50; 14 lbs., $3.00



Thomas Laxton

PEAS (Continued)

*Thomas Laxton. One of the very best of the tall growing, large pod, early peas. The plant is a very hardy and strong grower, producing extra large pods in abundance. The quality is delicious, and cannot be surpassed by any other variety. The "Thomas Laxton" will mature nearly as early as any of the extra early smooth peas, and being a wrinkled sort is much sweeter. **Lb., .30; 2 lbs., .50; 14 lbs., $3.00**

*Early Morn. One of the earliest and most productive. The pods are very large and well filled. Very fine flavor. **Lb., .30; 2 lbs., .50; 14 lbs., $3.00**

Second Early Varieties

*Telephone. A pea of the finest quality, sweet and delicious. Medium late, growing four feet tall with pods of the largest size.

Lb., .30; 2 lbs., .50; 14 lbs., $3.00

*Bliss Everbearing. Medium late and very productive. Two feet tall.

Lb., .30; 2 lbs., .50; 14 lbs., $3.00

*Dwarf Champion. Possesses all the merits of the reliable Champion of England. A hardy, robust grower, producing dark green pods of good size and in great abundance. Quality excellent.

Lb., .30; 2 lbs., .50; 14 lbs., $3.00

*Dwarf Telephone (Carter's Daisy). Similar to the Tall Telephone except in the height of the vine, which is only about two feet.

Lb., .30; 2 lbs., .50; 14 lbs., $3.00

*Admiral Dewey. An enormous cropper; peas very large and sweet. **Lb., .30; 2 lbs., .50; 14 lbs., $3.00**

Late Variety for General Crop

*Champion of England. The standard for quality. Grows four feet tall, very prolific, and still one of the best late peas. **Lb., .30; 2 lbs., .50; 14 lbs., $3.00**

White Marrowfat. A good late sort. Cultivated very extensively for the summer crop.

Lb., .25; 2 lbs., .45; 15 lbs., $2.40

Black-Eyed Marrowfat. An old and standard late variety for garden or field use.

Lb., .25; 2 lbs., .45; 15 lbs., $2.40

Canada Field. Seeds small white; for field culture only; largely used for sowing among oats. Price

Lb., .10; 15 lbs., $1.50

PEPPER

German,—Pfeffer. French,—Piment.
Spanish,—Pimiento.

One ounce will produce 2,000 plants.

Grown largely for pickles. Sow in hotbeds early in April, and transplant to the open ground when the weather is favorable. They should be planted in warm, mellow soil in rows 18 inches apart. They may also be sown in the open ground when danger of frost is past.

Large Bell, or Bull Nose. A favorite and well-known pickling sort. Is early, large, mild and thick skinned. **Pkt., .10; oz., .50**

Long Red Cayenne. A small, long, bright red sort, very productive; extremely strong and pungent.

Pkt., .10; oz., .75

PUMPKIN

German,—Kurbis. French,—Potiron.
Spanish,—Cabbage.

One ounce will plant 20 hills.

Pumpkins are grown chiefly as food for stock. The usual method of planting is to scatter a few seeds at intervals in the hills when planting Indian corn; in this way good crops of pumpkins are secured with slight labor and expense, and make a valuable addition to the season's crops.

Connecticut Field. The common yellow pumpkin, grown chiefly for feeding stock.

Pkg., .05; oz., .10; ¼ lb., .30; lb., $1.00

Large Cheese or Kentucky Field. A most popular variety. Fruit flattened, the diameter being two or three times more than the length.

Pkg., .05; oz., .10; ¼ lb., .30; lb., $1.00

Sweet or Sugar. A small variety, fine-grained and sweet; the best for table use.

Pkg., .05; oz., .15; ¼ lb., .40; lb., $1.25

PARSNIP

German,—Pastinake. French,—Panais.
Spanish,—Pastinaca.

One ounce for 150 feet of drill; five pounds in drills for an acre.

Sow in drills as early in spring as the weather will admit, fifteen inches apart, covering half an inch deep. When well up thin out to five or six inches apart in the rows. Unlike carrots, they are improved by frost, and it is usual to take up in the fall a certain quantity for winter use, leaving the rest in the ground till spring, to be dug as required.

Prices on all varieties of parsnips as follows:

Pkt., .05; oz., .15; ¼ lb., .50; prices in quantity on application.

Abbott's Improved Hollow Crown. Smooth and quite large; fine sort.

Guernsey. Roots not quite so long as Hollow Crown, but of greater diameter and more easily gathered.

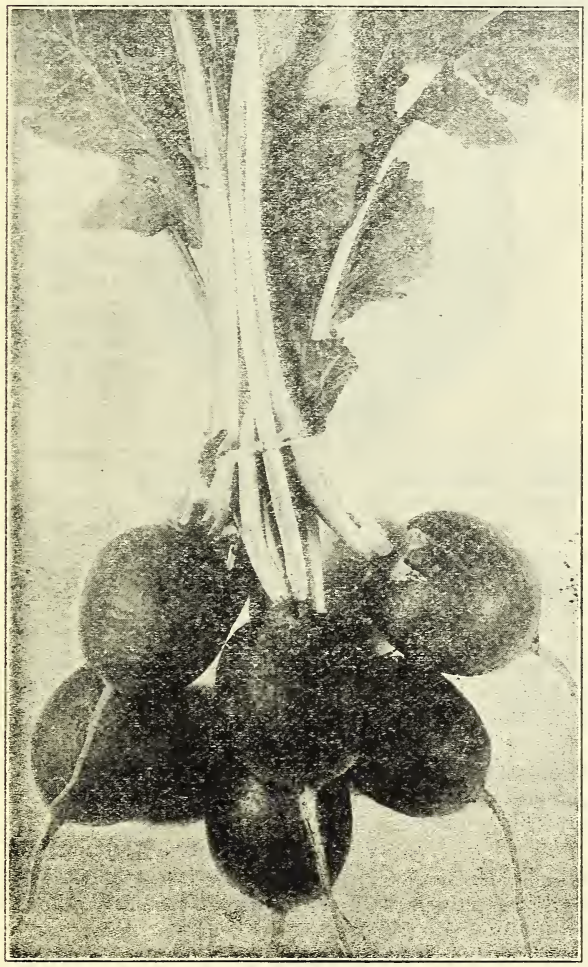
Long Smooth. As name implies, very smooth, free from roots, and a general favorite.

RADISH

German,—Rettig, Rabies. Spanish,—Rabano.
French,—Radis, Rave, Petite Rave.

One ounce will sow 100 feet of drill.

Culture. The soil for Radishes should be very rich, light and mellow, well broken by digging as their tender and mild qualities depend very much upon their rapid growth. For very early use sow in hotbeds in February and March and in the open air as soon as the ground can be worked, at intervals of ten or twelve days for a succession as long as they may be wanted. The winter varieties should be sown in August, lifted before severe frost, and stored in the cellar.



Early Scarlet Turnip Radish

French Breakfast. Olive-shaped scarlet, with white tip; crisp and tender. Very early. A general favorite.
Pkt., .05; oz., .15; ¼ lb., .45; lb., $1.50

Early Scarlet Turnip. A well known and popular variety. Small top of quick growth, mild and crisp.
Pkt., .05; oz., .15; ¼ lb., .45; lb., $1.50

Non Plus Ultra. One of the earliest forcing radishes, being ready for the table in three weeks from planting. Roots round and bright scarlet, crisp and delicate. **Pkt., .05; oz., .15; ¼ lb., .45; lb., $1.50**

China Rose. Bright rose-colored skin; flesh white and quality excellent; one of the best for fall and winter use. **Pkt., .05; oz., .15; ¼ lb., .45; lb., $1.50**

Long White Vienna. Of rapid growth and beautiful shape; skin and flesh snow-white. The finest of long white radishes.
Pkt., .05; oz., .15; ¼ lb., .45; lb., $1.50

Long Black Spanish. Long black, flesh white and slightly pungent; one of the latest and hardest.
Pkt., .05; oz., .15; ¼ lb., .45; lb., $1.50

Round Black Spanish. Skin black, white fleshed and piquant flavor.
Pkt., .05; oz., .15; ¼ lb., .45; lb., $1.50

Vick's Scarlet Globe Radish. A leader among bright round Red Radishes. Quick maturing, extremely attractive, short tops, solid and fine flavor.
Pkt., .05; oz., .15; ¼ lb., .45; lb., $1.50

Early Scarlet Turnip, White Tipped. One of the handsomest of the turnip radishes and a great favorite in many large markets for early planting outdoors. Roots slightly flattened on the under side; color, very deep scarlet with a white tip; flesh white and of the best quality.
Pkt., .05; oz., .15; ¼ lb., .45; lb., $1.50

Crimson Giant Forcing. Best of forcing sorts. Grown larger than other turnip shaped varieties and fine eating. **Pkt., .05; oz., .15; ¼ lb., .45; lb., $1.50**

Long Scarlet. Short top. The standard variety of the long sorts, used either for forcing or open culture; six or seven inches long.
Pkt., .05; oz., .15; ¼ lb., .45; lb., $1.50

Chartier. Decidedly distinct in appearance from any radish in cultivation. The color at the top being crimson, running into pink about the middle, and from thence downward it is a pure waxy white. It will attain a very large size before it becomes unfit for the table. **Pkt., .05; oz., .15; ¼ lb., .45; lb., $1.50**

SALSIFY OR OYSTER PLANT

German,—Bocksbart. French,—Salsifis.
Spanish,—Ostra vegetal.

One ounce will sow 50 feet of drill.

Culture. Sow the seed in light, deep soil, early in the spring, in drills twelve inches apart and one inch deep, thinning out the young plants to four or five inches. The roots will be ready for use in October, when a supply should be taken up and stored, like carrots. Those remaining till spring should be dug up before commencing their growth.

Mammoth Sandwich Island. We consider this the largest and most profitable salsify in cultivation. It is pure white in color and invaluable to market gardeners. **Pkt., .10; oz., .25; ¼ lb., .75**

SUNFLOWER

Mammoth Russian. The standard large-growing variety, which is used largely for feeding poultry.
Pkt., .05; ¼ lb., .10

SPINACH

German,—Spinat. French,—Espinard.
Spanish,—Espinaca.

One ounce for 100 feet of drill; 10 to 12 pounds in drills for an acre.

This is a very important crop in our market gardens, and is one of the most easily managed of all vegetables, requiring but little culture, and may be had fit for use the entire season. The main crop is sown in September. It is sometimes covered up in exposed places with straw or salt hay during winter, which prevents it from being cut with frost; but in sheltered fields there is no necessity for covering. For summer use it may be sown at intervals of two or three weeks from April to August. Spinach is best developed and most tender when grown in rich soil.

Prices on all varieties as follows:

Pkt., .05; oz., .10; ¼ lb., .25; lb., .75

Spinach

Giant Thick Leaf. This variety gives the best results. The leaves are large, thick and somewhat crumpled, and it is equally good for spring or autumn sowing. **Pkt., .05; oz., .10; ¼ lb., .25; lb., .75**

New Zealand. A valuable variety for the garden as it produces the thick, tender leaves throughout the summer. Grows very large and luxuriantly in warm, rich soil. **Pkt., .10; oz., .15; ¼ lb., .50; lb., $1.75**

Long Standing Thick Leaved. Stands longest before running to seed; dark green.

Pkt., .05; oz., .10; ¼ lb., .25; lb., .75

TOMATO

German,—Liebsapfel. Spanish,—Tomate.

In this latitude to produce extra early tomatoes the seeds should be planted in the hotbed about the middle of February, in drills five inches apart, and not over one-half inch deep. When the plants are two inches high they should be transplanted three to four inches apart. The final transplanting to the open ground may be made the last of May, when the plants should be fine, large and stocky, and if sufficient soil is taken up with each plant, they will keep right on growing with no setback.

For ordinary plants, sow the seed early in March, and transplant, once in the hotbed and from hotbed into cold frames about four inches apart. The last of May they will be ready for the open ground where the Dwarf varieties should be planted 3¼ feet apart and the spreading varieties 4 to 4½ feet apart.

Earliana. It is remarkable for its earliness, very large size, handsome shape and bright red color. Its solidity and fine qualities are equal to the best medium and late sorts. **Pkt., .05; oz., .35; ¼ lb., $1.20**

Dwarf Champion

Dwarf Champion. Dwarf and strong habit of growth; very solid and of extra quality.

Pkt., .05; oz., .35; ¼ lb., $1.00

Livingston's Favorite. Smoother than the Paragon, is a darker red than the Perfection; ripens evenly, and is as early as any good variety.

Pkt., .05; oz., .35; ¼ lb., $1.00

Livingston's Beauty. Very glossy, crimson in color, slight tinge of purple; early; free from rot; skin tough, bears handling remarkably well.

Pkt., .05; oz., .35; ¼ lb., $1.00

Ponderosa. Very large, solid and of a good flavor. Specimens have been grown to weigh four pounds. Bright red. Very few seeds.

Pkt., .05; oz., .35; ¼ lb., $1.00

Stone. Fruit very large and deep; bright scarlet, smooth, ripening evenly to the stem without a crack; exceedingly solid and firm-fleshed, of the finest quality; one of the best for family use and for canneries. Late. **Pkt., .05; oz., .35; ¼ lb., $1.00**

Chalk's Early Jewel. This is a very productive variety. Ripens nearly as early as Spark's Earliana, but is more desirable for home use as the fruits are thicker through and more solid; borne in large clusters. Color bright scarlet and quality good.

Pkt., .05; oz., .35; ¼ lb., $1.00

June Pink. An early variety, similar in habit to the famous Earliana, differing only in its color, which is pink instead of red. Early, blight resisting, long and heavy yielding. An excellent shipper on account of its reasonably tough skin.

Pkt., .05; oz., .35; ¼ lb., $1.00

Matchless. Very large, smooth, solid and fine flavor. Cardinal red. **Pkt., .05; oz., .35; ¼ lb., $1.00**

John Baer. An extra early variety. Brilliant red. Almost seedless and sweet flavor. Uniform in size and ripening. **Pkt., .05; oz., .40; ¼ lb., .$1.20**

SQUASH

German,—Kurbiss. French,—Courge.
Spanish,—Calabaza.

One ounce Early will plant 50 hills; one ounce Marrow, 25 hills.

Culture. The plants are very tender and sensitve to cold, and planting must be delayed until settled warm weather. The general principles of culture are the same as those given for cucumbers and melons, but the plants are less particular as to soil. The summer varieties should be planted four feet apart each way, and the winter sorts eight feet. Three plants are sufficient for a hill. Care should be taken not to break the stems from the squashes intended for winter use, as the slightest injury will increase the liability to decay.

Improved Hubbard. The well-known and standard late variety; our strain is excellent.

Pkt., .05; oz., .15; ¼ lb., .50; lb., $1.50

Golden Hubbard. A genuine Hubbard Squash except in color, which is a bright red, quality excellent.

Pkt., .05; oz., .15; ¼ lb., .50; lb., $1.50

Warted Hubbard. A superior strain of mammoth size, and entirely covered with warty excrescences. Rich, dark-green color, and of very best quality.

Pkt., .05; oz., .15; ¼ lb., .50; lb., $1.50

Giant Summer Crookneck. Double the size of an ordinary Crookneck and very warty, but similar in other respects. Their handsome appearance commands an extra price in the market.

Pkt., .05; oz., .15; ¼ lb., .50; lb., $1.50

Winter Crookneck. An excellent keeping Crookneck variety, lasting several months. Yellow skin, and a well-known squash.

Pkt., .05; oz., .15; ¼ lb., .50; lb., $1.50

Delicious. We have found in this squash all that the originator claims for it. It is the driest, sweetest and finest flavored squash we have ever tasted. A fall and winter squash and is a good keeper.

Pkt., .05; oz., .15; ¼ lb., .50; lb., $1.50

Boston Marrow. Fine fall variety; oval bright orange; flesh yellow and firm; best for pies, and also for canning. **Pkt., .05; oz., .15; ¼ lb., .50; lb., $1.50**

Early White Bush Scalloped. A standard summer variety; good either for home or market garden.

Pkt., .05; oz., .15; ¼ lb., .50; lb., $1.50

Essex Hybrid or Hard-Shelled Turban. A standard winter sort; flesh a trifle darker than the Hubbard; an excellent keeper.

Pkt., .05; oz., .15; ¼ lb., .50; lb., $1.50

TOBACCO

Connecticut Seed Leaf. Best adapted for the climate of the Northern and Middle States. **Pkt., .05; oz., .30**

TURNIP

German,—Steckrube. French,—Navet.
Spanish,—Nabo Comun.

Turnips may be sown at all seasons from April to August in our climate, although those will be the best which are sown very early in spring for summer crops, and early in August for a fall and winter crop. A light soil, well manured the previous year, is the best. A few hundred pounds per acre of quick-acting fertilizer will have a tendency to make the roots smooth, and to make the rapid growth so essential in producing sweet and palatable turnips.

Extra Early Purple Top Milan (Flat). The earliest turnip in cultivation and a splendid variety; favorite with gardeners who want first turnips in market. Bulb white, flat, of medium size, with a bright purple top; one of the sweetest and finest flavored of summer sorts. **Pkt., .10; oz., .20; ¼ lb., .60; lb., $2.00**

Extra Early White Milan. This is one of our most popular turnips for spring sowing. It is a splendid extra early turnip in which the extreme earliness, small top and tap-root of the Purple Top Milan is united with clear white skin and flesh.

Pkt., .10; oz., .20; ¼ lb., .60; lb., $2.00

Purple Top Strap Leaf. Rapid grower and mild flavor. The most popular variety for early use, either for the table or stock.

Pkt., .05; oz., .15; ¼ lb., .40; lb., $1.00

Yellow Stone. A very popular yellow-fleshed variety, fine for table use. Flesh very firm, tender, sweet and fine flavored; an excellent keeper.

Pkt., .05; oz., .15; ¼ lb., .40; lb., $1.00

White Six Weeks. Very early, white and sweet. An excellent early table variety.

Pkt., .05; oz., .15; ¼ lb., .40; lb., $1.00

White Egg. Belongs to the class of quick-growing fall turnips, and for this purpose should be sown in this latitude between August 1 and 10. Its shape is nearly oval or egg, as its name would indicate.

Pkt., .05; oz., .15; ¼ lb., .40; lb., $1.00

Ruta Baga or Swedish Turnip

Ruta Bagas, or Swedes, should be planted from the last of June to about July 10, as they require more time in which to mature than the Early or Strap Leaf varieties. Newly-turned soil will produce the sweetest and smoothest turnips.

Long Island Purple. Undoubtedly the finest variety of purple-top Ruta Baga. Leaves few and small; bulbs fine shaped with very short, small necks; purple crown, skin and flesh bright yellow, solid, sweet and mild flavor. **Pkt., .05; oz., .15; ¼ lb., .40; lb., $1.00**

White Sweet German. Sweet, and fine flavor. Good keeper. **Pkt., .05; oz., .15; ¼ lb., .40; lb., .$1.00**

Imperial Hardy Swede. Claimed by many to be the best Swede turnip grown. Bulb of large size with purple crown; flesh yellow; very smooth and heavy cropper. **Pkt., .05; oz., .15; ¼ lb., .40; lb., $1.00**

Skirving's Purple Top. Well-known yellow fleshed variety of large size and fine quality; for stock or table. **Pkt., .05; oz., .15; ¼ lb., .40; lb., $1.00**

HERBS

Dill ..... **Pkt., .10**
Sage, Broad Leaf ..... **Pkt., .10**
Summer Savory ..... **Pkt., .10**

QUANTITIES SEED REQUIRED

Vegetable	Amt. of seed	Will give or plant	Space between rows	Space in rows
Asparagus	1 oz.	800 plants	36 in.	18–24 in.
Beans, bush	1 qt.	100 feet	24–30 in.	4–6 in.
Beans, pole	1 qt.	100 hills	36–42 in.	36–42 in.
Beet	1 oz.	50 feet	12–15 in.	3–4 in.
Cabbage, early	1 oz.	1500 plants	24–30 in.	15–18 in.
Cabbage, late	1 oz.	1500 plants	30–36 in.	18–24 in.
Carrot	1 oz.	100 feet	12–15 in.	2–3 in.
Celery	1 oz.	3000 plants	36 in.	6–8 in.
Corn	1 qt.	200 hills	36 in.	12 in.
Cucumber	1 oz.	50 hills	48–60 in.	60–72 in.
Egg Plant	1 oz.	1000 plants	30–36 in.	18–24 in.
Endive	1 oz.	150 feet	12–15 in.	8–10 in.
Lettuce	1 oz.	200 feet	12–15 in.	6–8 in.
Lettuce	1 oz.	2000 plants	12–15 in.	6–8 in.
Onion	1 oz.	100 feet	11–12 in.	1–2 in.
Parsley	1 oz.	150 feet	12–15 in.	1–2 in.
Parsnip	1 oz.	150 feet	15–18 in.	2–3 in.
Pepper	1 oz.	1000 plants	30–36 in.	18 in.
Potato	1 pk.	200 feet	30–36 in.	15–18 in.
Pumpkin	1 oz.	25 hills	8–10 ft.	6–8 ft.
Radish	1 oz.	100 feet	12 in.	1–2 in.
Rhubarb (roots)			30–36 in.	24–30 in.
Salsify	1 oz.	50 feet	15–18 in.	1–2 in.
Spinach	1 oz.	100 feet	12 in.	4–6 in.
Tomato	1 oz.	2000 plants	36–48 in.	36–48 in.
Turnip	1 oz.	200 feet	12–15 in.	3–4 in.

VEGETABLE AND FLOWER PLANTS

We have in their season a choice assortment of both vegetable and flower plants.

Tomato Plants. Essex Hybrid, Dwarf Champion, Chalk's Jewel, Earliana, etc.

Cabbage Plants. All seasons, Stone Mason, Drumhead, Danish Ball Head, Early Summer, etc.

Cauliflower. Snowball.

Celery. Giant Pascal, Boston Market, White Plume.

Flower Plants. Pansies, Geraniums, Verbenas, Stocks, Salvia, Asters.

Our Plants are all grown for us locally and are hardy and vigorous. Prices as low as can be made and furnish good strong, healthy plants.

BIRD SEED

Add 6c per lb., each additional lb. add .01 for postage. Price subject to variations of the Market.

Canary. Sicily, selected
Hemp. Russian, first quality
Rape.
Sunflower. Russian
Millet.
Unhulled Rice.
Cuttle Fish.

Grasses and Grains

NOTE—Owing to the frequent changes in price of Grains and Grasses we have refrained from inserting prices of them in this catalogue. The lowest market price will be quoted on application.

SPECIAL ATTENTION

While we carry several grades of the different varieties of seeds, we recommend our Purity Brand as the very best the market affords. These seeds are strictly Northern grown, and are selected by us because they possess the two essential qualities of purity and vitality. It is well known that there have been large quantities of Grass and Clover Seed sold as pure, which official analysis has shown to contain large percentages of adulteration. This not only defrauds the planter by selling him a worse than useless article, but inflicts injury also by filling his land with noxious weeds. We list Grass and Clover Seed according to their quality, grading down from our Purity Brand, which is always the best.

Timothy, Clovers, Millets, Red Top

in several grades

Purity Brand Lawn Seed

Our own mixture, from the purest seeds obtainable. We can surely please you on this brand.

CHOICE GRASS SEEDS FOR LAWN AND FARM

Timothy
Medium Red Clover
Mammoth Red Clover
Alsyke Clover
White Clover
Crimson Clover
White Sweet or Bokhara Clover
Alfalfa Clover
Red Top
Kentucky Blue Glass
Canadian Blue Grass
Orchard Grass
English Rye Grass
Meadow Fescue
Rhode Island Bent
Meadow Oat Grass
Sheep's Fescue
Crested Dog's Tail
Sweet Vernal

Millets

Hungarians **Japanese** **Siberian**

Grains

Prices subject to Market Changes

Barley, Fancy No. 1, Montana Two-Rowed.
Barley, Beardless.
Seed Oats, No. 1, Montana choice.
Spring Rye. Best Northern grown.
Winter Rye. New England grown.
Spring Wheat. Northern grown.
Winter Wheat. Northern grown.
Buckwheat.

Miscellaneous Seeds

Canadian Field Peas
Soja Beans
Cow Peas
Dwarf Essex Rape
Spring Vetch
Winter Vetch

TABLE

Showing Weight per Bushel, also Quantities sown per acre of Grass, Grain and Vegetable Seeds.

	Weight per Bushel	Quantity per acre Usually Sown
Timothy	45 lbs.	½ bu.
Clover, Red	60 lbs.	10 to 20 lbs.
Clover, Alsyke	60 lbs.	10 to 15 lbs.
Clover, White	60 lbs.	10 to 15 lbs.
Clover, Crimson	60 lbs.	10 to 15 lbs.
Clover, Alfalfa	60 lbs.	15 to 20 lbs.
Red Top, unhulled	10 lbs.	2½ to 3 bu.
Red Top, cleaned	30-40 lbs.	10 to 15 lbs.
Millet, Hungarian	48 lbs.	½ to 1 bu.
Millet, German	50 lbs.	½ to 1 bu.
Millet, Japanese	35 lbs.	½ to ¾ bu.
Millet, Siberian	50 lbs.	½ to 1 bu.
Bent, Fancy	35 lbs.	15 bu.
Bent, R. I.	10 lbs.	3 bu.
Orchard Grass	14 lbs.	2 to 3 bu.
Blue Grass	14 lbs.	2 to 3 bu.
Fowl Meadow	11 lbs.	1 to 2 bu.
Lawn Seed	16 lbs.	3½ to 4½ lbs.
Lawn Seed, Special	40 lbs.	1½ to 2 bu.
Perennial Rye Grass	24 lbs.	
Italian Rye Grass	18 lbs.	
Tall Oat Grass	12 lbs.	
Yellow Oat Grass	8 lbs.	
Meadow Fescue	15 lbs.	
Tall Fescue	15 lbs.	(Used in mixtures for pastures)
Sheep Fescue	12 lbs.	
Hard Fescue	14 lbs.	
Meadow Foxtail	8 lbs.	(Grains used for pastures, grain lands, etc.)
Rough Stalked Meadow	4 lbs.	
Wood Meadow	14 lbs.	
Crested Dog's Tail	28 lbs.	
Sweet Vernal	11 lbs.	
Seed Barley	48 lbs.	2 to 3 bu.
Seed Wheat	60 lbs.	1½ bu.
Seed Rye	56 lbs.	1½ bu.
Seed Oats	32 lbs.	2 to 3 bu.
Seed Buckwheat	48 lbs.	¾ to 1 bu.
Flax	56 lbs.	1 to 2 bu.
Canary	60 lbs.	
Hemp	40 lbs.	
Rape, German	50 lbs.	
Rape, Dwarf, Essex	50 lbs.	
Corn, Field	56 lbs.	8 to 12 qts.
Corn, Fodder	56 lbs.	3 bu.
Corn, Sweet	45 lbs.	8 to 10 qts.
Beans, White	60 lbs.	1½ bu.
Beans, Red Kidney	60 lbs.	1½ bu.
Beans, Fancy	60 lbs.	1½ bu.
Peas, Smooth	60 lbs.	1½ to 3 bu.
Peas, Wrinkled	56 lbs.	1¼ to 2 bu.

INSECTICIDES and FUNGICIDES

SPRAY CALENDAR AND GUIDE

Pest	What to Use	Dilution, lbs.	1st Spraying	2nd Spraying	Successive Sprayings
Codling Moth	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ¾	Immediately after blossoms fall	2 weeks later	Consult your Exper. Sta.
Canker Worm	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ¾	When young first appear	4-6 days later	" "
Tent Caterpillar	Dry Arsenate Lead Dry Arsenate Calcium	*1 to1½ ¾	As insects appear	As needed	" "
Leaf Crumpler	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ¾	About middle of May	As needed	" "
Slug	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ¾	When insects appear	Repeat 10 da. 2 wks. if necessary	" "
Plum Gouger	Dry Arsenate Lead	*¾ to 1	Before leaves and buds open		
Strawberry Crown Borer	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ½	Late summer		" "
Strawberry Leaf Roller	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ½	In August		" "
Srawberry Slug Strawberry Root Worm	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ½	In May when insects appear		" "
Imported Currant Worm	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ½	As soon as insects appear		" "
Gooseberry Fruit Worm	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ½	As soon as insects appear		" "
Raspberry Slug	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ½	Early in spring		" "
Raspberry Byturus	Dry Arsenate Lead Dry Arsenate Calcium	*1 to 1½ ½	1st of May		" "
Potato Beetle	Dry Arsenate Lead Dry Arsenate Calcium	*2 to 4 1½ to 2	When insects appear		Repeat as often as necessary

*To 50 gallons of water.

The above recommendations are condensed and are somewhat subject to change depending upon conditions in various sections of the country.

Where an effective combination Insecticide and Fungicide is desired, "Bordo-Arsenate" used at same strength as indicated for Dry Powdered Arsenate of Lead will give splendid results. Dry Powdered Bordeaux Mixture can be used as a dry dust just as it comes from the package or in combination with equal quantities of Dry Powdered Arsenate of Lead or Arsenate of Calcium. When using Dry Powdered Bordeaux Mixture as a wet spray use from three to five pounds to fifty gallons of water for the control of most fungus diseases.

Dry Powdered Insecticides can be used for dry dusting just as they come from the package.

For the convenience of the home gardener, the above table will be of interest.

Dry Powdered Arsenate of Lead where used at strength of one pound to fifty gallons of water, should be used at rate of two to three teasponfuls to one gallon of water.

Dry Powdered Arsenate of Calcium where used at rate of three-fourths pound to fifty gallons of water, should be used at rate of two to three teaspoonfuls to one gallon of water.

Dry Powdered Bordeaux Mixture when used at rate of three pounds to fifty gallons of water, should be used at the rate of from nine to twelve teaspoonfuls to one gallon of water.

Dry Powdered Bordo-Arsenate when used at rate of one pound to fifty gallons of water should be used at rate of three to four teaspoonfuls to one gallon of water.

Pure Paris Green—Ansbacher's

After having tried several of the other kinds of Paris Green we are convinced that Ansbacher's has no superior, consequently are handling this kind exclusively.

The price of Paris Green not being established at this time of going to press, we will be pleased to quote prices on application.

Dry Powdered Arsenate of Lead

Dry Powdered Arsenate of Lead has been found to be one of the most efficient universal insecticides known to the industry today. Dry powdered Arsenate of Lead is the result of the most modern chemical processes and manufacture, and is probably the finest product of its kind manufactured today.

It is a very finely divided, fluffy powder, which can be used either for dry dusting or for wet spraying. Due to its light, fluffy consistency, it insures the grower and farmer maximum, uniform results in his spraying mixture. It covers the leaf and fruit thoroughly and uniformly, and insures maximum results. Its wonderful suspension qualities and the ease with which it is gotten into suspension make it particularly attractive to the commercial fruit grower and farmer, as well as to the average consumer.

Dry Powdered Arsenate of Lead is put up in sift-proof cartons and heavy drums in convenient sizes for the large commercial grower, as well as for the small home gardener and grower. It is put up in the following sizes: 1 lb., 5 lb. and 10 lb. double compartment cardboard cartons, and 25, 50, 100 and 200 lb. impervious veneer drums.

We have adopted the best packages we could possibly secure, and as a result our customers receive Dry Powdered Arsenate of Lead in the neatest, most compact and most serviceable package.

Dry Powdered Arsenate of Calcium

The use of Dry Powdered Arsenate of Calcium as a stomach poison for controlling leaf-eating insects has become more general each year, and is especially adapted for use in spraying seed fruits and vegetables.

To the average grower, Arsenate of Calcium is not as well known as Arsenate of Lead and Paris Green. This is due no doubt to the fact that in the past it has not been pushed by either Government Experiment Stations or Insecticide manufacturers. Numerous tests conducted the past year have proven beyond a doubt the efficiency of Arsenate of Calcium and it is now highly recommended by authorities on Insecticides.

Write for our special literature on Powdered Arsenate of Calcium.

Dry Lime Sulphur

Dry Lime Sulphur is not an entirely new product—it is just an improved, standard spray material. It is made to supply the demand of the growers for a convenient, economical and efficient tree spray for the control of scale insects and certain fungus diseases. It is simply a more practical form of Liquid Lime Sulphur which, for years, has been known by growers as an effective spray material.

Dry Lime Sulphur is not a substitute for Liquid Lime Sulphur—it is the actual Lime Sulphur possessing all of the good qualities and none of the disadvantages of the old style Liquid Lime Sulphur.

Dry Lime Sulphur will control San Jose Scale and other scale insects. It is effective against Apple Scab, Peach Leaf Curl, Leaf Blister Mite, Brown Rot of peach or plum and other fungus diseases that you have controlled in the past with Liquid Lime Sulphur.

Dry Powdered Bordeaux Mixture

Bordeaux Mixture in paste form has for many years been a standard fungicide for use in the control of mildew, blight and other fungus diseases. Best results from the use of Bordeaux Mixture depend upon the exact chemical make-up of the material. The home-made Bordeaux Mixture as compounded by the average farmer and grower has been a splendid product, but has been subject to the uncertainties which are necessarily attendant upon incomplete equipment, etc.

Dry Powdered Bordeaux Mixture can be used wherever paste Bordeaux Mixture has been used heretofore. It is splendidly adapted for both fruit tree and truck crop work, and can be used in combination with any insecticides, either as a dry or as a liquid spray.

Dry Powdered Bordo-Arsenate

The Two-in-One Spray

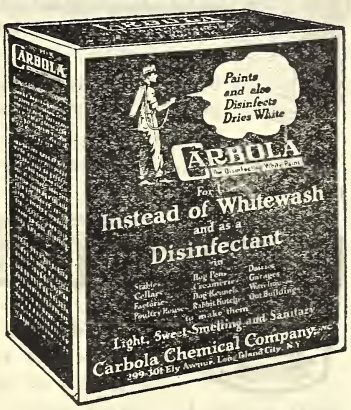
This product combines the killing properties of Arsenate of Lead and the fungus preventative qualities of Bordeaux Mixture.

Dry Powdered Bordo-Arsenate being a scientific combination of Arsenate of Lead and Bordeaux Mixture will control both external leaf-eating insects and fungus diseases at the same time. It is prepared in dry powdered form which is a decided advantage over the old form of paste products.

Send for full descriptive folder.

Prices on Application

Carbola



Carbola is a white paint in powder form combined with a disinfectant twenty times stronger than carbolic acid. It is neither poisonous nor caustic. It is ready to use as soon as mixed with water—no waiting or straining. It can be applied with a brush or spray pump to wood, brick, stone, cement, plasterboard, etc., or over whitewash.

Carbola will not clog the sprayer. It does not blister, flake or peel off. It dries out white with a smooth finish. It doesn't spoil by standing, even after it is mixed with water. It has no disagreeable odor. Its use will increase the light, improve the appearance and help make buildings clean, sweet-smelling and sanitary. It paints and disinfects at one operation, and is recommended for use

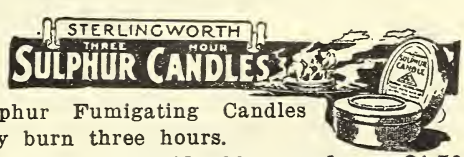
Instead of Whitewash and as a Disinfectant

USED IN

Stables	Factories	Outbuildings
Cellars	Hog Pens	Dog Kennels
Dairies	Creameries	Rabbit Hutches
Garages	Warehouses	Poultry Houses

Makes Work Easier
Saves Time, Labor and Money
Gives Better Results

Trial package..... .30 Postpaid .40
10 pounds (10 gal.).....1.25 Postpaid 1.50
50 pounds (50 gal.).....5.00



These candles are the most satisfactory Sulphur Fumigating Candles made. They burn three hours.

Prices: .15 each; postpaid, .20; one dozen, $1.50 postpaid.

All Prices Subject to Change Without Notice

STERLINGWORTH CUT WORM KILLER

A coarse powder for sprinkling near plants to be protected. It has an enticing odor, and cut worms prefer it to vegetation. No guess work about its effectiveness, it gets them every time. The dead cut worms "tell" the story. One pound is sufficient for 100 plants in hills and 100 lineal feet in rows. Stop feeding your plants to cut worms. **Price: 1 lb., .30; postpaid, .37**

STERLINGWORTH LIQUID LICE & MITE KILLER

If, after using Sterlingworth Liquid Lice and Mite Killer, you believe it is not better than any other preparation you ever used for killing lice and mites in poultry houses, state the facts to us and we will refund the purchase price.

Prices: 1 qt., .50; postpaid, .60; 2 qts., .75; postpaid, .90; 1 gal., $1.25.

STERLINGWORTH LIQUID BORDEAUX

A fungous remedy in the form of a thick paste. Is a preventative of rots, rusts and blights, mildews, etc., on fruits and vegetables. One gallon makes 10 to 50 gallons of mixture ready to use by adding water. **Prices: 1 qt., .50; 1 gal., $1.25.**

CREOLUSOL

An ideal liquid Disinfectant Germicide, Cleanser and Deodorizer. Has great powerful antiseptic and healing properties. It is a purifier and one of the best disinfectants for private and public sanitation.

Prices: 1 pt., .50; postpaid, .60; 1 qt., .75; postpaid, .85; 1 gal., $2.00, by express.

STERLINGWORTH POWDERED TOBACCO

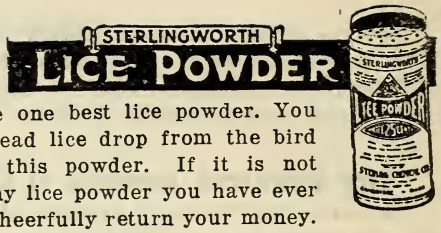
Finely Powdered Strong in Nicotine

An effective and cheap remedy for many bugs, worms, lice and spiders on Cabbage, Squashes, Melons, Cucumbers, Potatoes, Plants, etc. It is for use while the vegetation is damp. This Tobacco is very finely powdered, sticks well to the leaves and is strong in Nicotine. **Price: 1 lb., .25; postpaid,.35.**

He-Bo

We know of no powder more satisfactory for use against rose slugs, currant worms, cabbage worms, and many other leaf eating insects where a milder poison than Paris Green is desired than Sterlingworth He-Bo.

It is not intended as a spray but is for dusting on the vegetation to be protected. **Price: ½ lb. package, .20.**



STERLINGWORTH LICE POWDER

We claim that Sterlingworth Lice Powder is the one best lice powder. You can see the dead lice drop from the bird treated with this powder. If it is not better than any lice powder you have ever used we will cheerfully return your money.

Prices: 15 oz., .25; postpaid, .35; 48 oz., .60; postpaid, .75.

STERLINGWORTH POWDERED HELLEBORE

For use against leaf-eating insects such as rose slugs, currant worms, cabbage worms and many other leaf-eating insects where mild poison is required, as Powdered White Hellebore. **Price: ¼ lb., .20; ½ lb., 35.**

STERLINGWORTH NO-SCAB

Grain Smut prevails wherever oats and other grains are grown. Potato Scab is also more prevalent each year. Never plant potatoes without treating the seed with No-Scab.

For Oat, Wheat and Rye Smut (except loose smut of wheat and barley which this preparation will not control) spread the seed on the floor, sprinkle with **Sterlingworth No-Scab,** 1 pound (1 pint) to 36 gallons of water, and shovel over to mix thoroughly, after which spread out and dry.

For Potato Scab, and to destroy other germs on seed potatoes, soak two hours in **Sterlingworth No-Scab,** 1 pound to 15 gallons of water. **Price: ½ lb. bottles, .50 each.**

STERLINGWORTH KEROSENE EMULSION

Kerosene Emulsion is an article of wide and varied usefulness. It kills the green plant louse scale and many other sucking insects at once.

Many kerosene emulsions are prepared from kerosene, a cheap grade of hard soap and water. Emulsions so made are less efficient than **Sterlingworth Kerosene Emulsion** which is made from Whale Oil Soap and Water-white Oil.

Price: 1 pt., .30; postpaid, .40; 1 qt., .50; postpaid, .60.

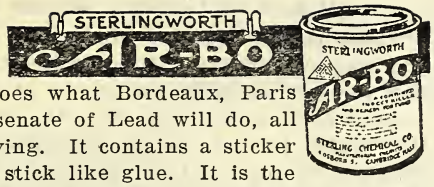
Aphis or Plant Lice Killer

This is prepared exclusively for aphis or plant lice and spiders on house plants and vegetables. It is useful against most of the small sucking insects which infest house plants and greenhouse flowers. It is used by diluting one part of killer in fifteen parts of water and may be applied by spraying or sprinkling.

Price: Home size, one pint, .30; postpaid, .40.

All Prices Subject to Change Without Notice

A combined insect killer and fungous remedy. It does what Bordeaux, Paris Green and Arsenate of Lead will do, all with one spraying. It contains a sticker that makes it stick like glue. It is the best spray made for potatoes. It kills the bugs and prevents blights, rots, rusts, at one application. Excellent for apple, pear and small fruits and vegetables. Controls the apple maggot, codling moth, canker worm, bug moth, kills hundreds of eating worms and insects and prevents scores of fungous diseases that attack vegetables and fruits. Ar-Bo is the great potato spray. Its use on potatoes gives the crop in many instances as much as three weeks to mature. Do not think of trying to raise potatoes without it. Use it once and you will never use anything else. It is a paste about the consistency of thin putty and is made ready for use by mixing at the rate of one pound to five gallons of cold water. It does not clog the spray nozzle. Apply with any hand or power spray pump.



Full directions on label.

Prices: 1 lb., .40; 5 lbs., $1.60; 10 lbs., $3.00; 25 lbs., $7.00; 50 lbs., $13.00; 100 lbs., $22.00.

Kills most sucking insects on trees, plants, vines and rose bushes. To use, cut in shavings and dissolve in water. Contains tobacco extractive matter.

Price: 1 lb., .35; postpaid, .40.

WILL KILL FLIES

Formerly Known as Rough-on-Flies

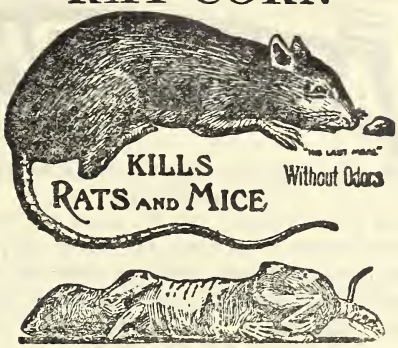
Kills flies, vermin and lice. Increases the yield of milk. Insures more eggs and better poultry. Kills lice on cattle and sheep ticks. Heals scab and hoof rot. It is an excellent disinfectant. Every gallon guaranteed. **One gallon cans, price per gallon, $1.75**

Creonoid

Barrett's Creonoid is an up-to-date preparation from coal tar of invaluable service to the poultrymen, stock raisers and farmers. It eliminates flies and mosquitoes and insures sanitary conditions in stables, stock sheds, around barnyards, etc.

Price, gallon cans, $1.35

RAT CORN



After eating Rat Corn he is mummified.

RAT CORN

It mummifies them. No matter where they die they simply DRY UP. Positively do not smell.

Rat Corn is a new and scientific discovery, and without a doubt the greatest rat destroyer in the world; the only one that kills rats without any bad, dangerous or disagreeable effects. A trial will convince you. **Prices: Small, .30. Medium, .50. Large, $1.00. Postpaid.**

Insect Powder and Bellows Combined

Red Wing is the best Insect Powder that can be procured and once you try it you will use no other. For the destruction of Roaches, Bed-Bugs, Fleas, Moths, Ants, Flies, etc. **Prices, Small, 10c, Parcel Post, 5c. Large, 25c. Parcel Post, 6c.**

Crow Tar

Thoroughly reliable tar made especially for using on corn as prevention against crows. Give the corn a thin coating which quickly dries so that there is no trouble in putting through planter as in the case with tar preparation not made especially for that use. **Price on Application.**

Bug Death

This non-poisonous Insecticide and Plant Food is now too well known to need any detailed description.

Prices on Application.

Bug Death Aphis

This is a new preparation in powder form for all sucking insects. Prepared under Dr. G. M. Twitchell's formula.

Price on Application.

All Prices Subject to Change Without Notice

FARMOGERM

A SEED INOCULANT THAT INCREASES CROP PRODUCTION

Seeds of all legumes—beans, peas, clover, alfalfa, and related crops—will yield far better if inoculated with Farmogerm, and in addition leave in the soil a heavy deposit of nitrogen which benefits all succeeding crops. Gardeners and farmers who have used Farmogerm would not be without it.

Farmogerm Stays Good Indefinitely

Farmogerm keeps for years. Because of the method of sealing the bottle—a patented stopper which admits filtered air and keeps out all impurities—**Farmogerm is just as good in five years as when first bottled.** Other inoculants get weaker each day—**Farmogerm always has its full strength.** Just add water and shake the bottle and sprinkle over the seeds as directed. Your crop will benefit beyond your expectations.

Farmogerm is Economical

No other inoculant on the market is so strong and virile; no other inoculant will thoroughly treat as much seed. The one-acre size bottle of **Farmogerm** is sufficient for 15 pounds of clover, 20 pounds of alfalfa, 100 pounds of Canada Field Peas, 60 pounds of Vetch, etc. A different bacteria is required for each crop. **When ordering, be sure to state what crops you wish to inoculate.**

FARMOGERM PRICES REDUCED

New scientific methods of manufacture have given lower prices. You cannot now afford to do without **Farmogerm.**

A special composite culture is prepared for peas, beans and sweet peas—¼-acre size only. You'll get more peas and beans, and larger sweet peas by using this. **Ask for No. 5, price 50 cents.**

Farmogerm prices are: 1-acre size, $1; 3-acre size, $2.50; 12-acre size, $9. Full directions accompany each bottle.

STIM-U-PLANT

PLANT STIMULANT TABLET

An All-the-Year Fertilizer for Garden and House Plants

Growers of fine flowers, shrubs and vegetables for the best markets and for exhibition, fertilize and stimulate them frequently, a little at a time. An excellent fertilizer for this purpose is **Stim-U-planT**, an odorless, highly concentrated plant-food, in tablet form, with guaranteed chemical analysis of 11 per cent nitrogen, 12 per cent phosphoric acid, 15 per cent potash. The proportions are accurate, there is no unnecessary filler, and in this form you are able to apply plant-food exactly when and where and as needed.

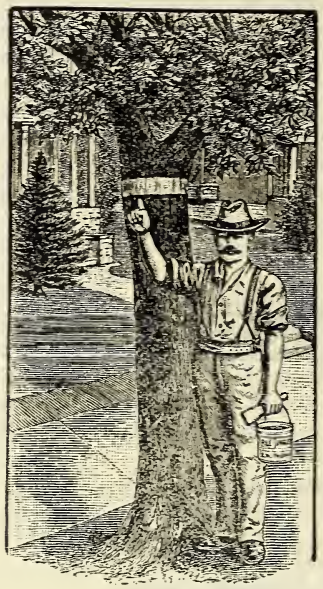
Make Your Garden a Wonder Garden

These tablets increase production, heighten color and improve quality. Many professional and amateur growers use them extensively all the year round —from early spring until late fall outdoors, during the winter for pot plants, hot-house benches, etc. They are equally good for evergreens and other trees as for a small fern, petunia or other potted plant.

Stim-U-planT Tablets

can be used in tablet form, or dissolved in water at the rate of one tablet to the quart. Complete directions with every package.

Order **Stim-U-planT tablets** with your seed and plant order. **Price, 10 tablets for 15 cts., 30 for 25 cts., 100 for 75 cts., 1,000 for $3.50.**



TREE TANGLEFOOT

For protecting trees against climbing insect pests in a simple, economical and effective way, use Tree Tanglefoot—a sticky substance applied directly to the bark of trees. One application remains sticky on the trees three months fully exposed to the weather. Easily applied with a small wooden paddle. One pound will make a band 7 to 8 feet long.

Price: 1-lb. can, .50; 3-lb. can, $1.45. Postage extra.

GYPSY MOTH CREOSOTE

This is a special Creosote preparation for painting the egg clusters of the Gypsy Moth.

The eggs are laid in the fall in clusters of two hundred to six hundred and should be destroyed between September and April.

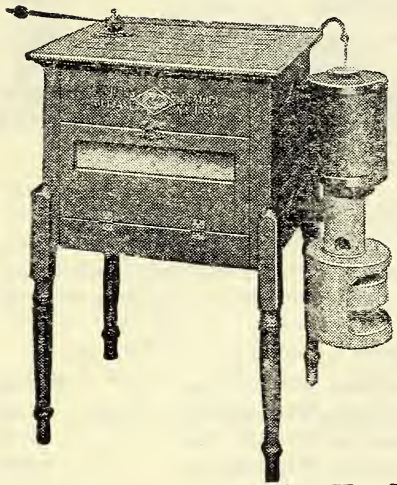
Prices: 1 pt., .30, postpaid, .60; 1 qt., .75, postpaid, .85; 1 gal., $1.25.

Don't Overlook
INCUBATORS AND BROODERS
On Pages 35, 36 and 37

All Prices Subject to Change Without Notice

INCUBATORS, BROODERS AND HOVERS

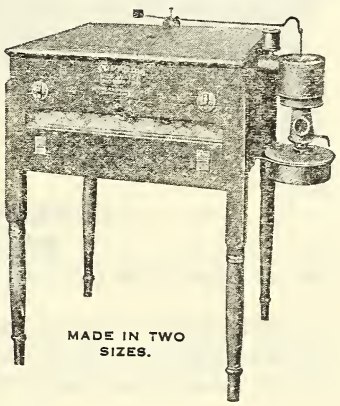
Cyphers Company Incubators



Standard Cyphers Incubators

These are machines that for twenty years and more have been recognized as the "Standard hatchers of the world." They are used by more Government Experiment Stations, on more large, practical poultry plants, on more successful duck and egg farms, and by a larger number of foremost poultry breeders than all other makes combined. They are built to hatch and to last. With ordinary care they should last an ordinary lifetime. Every Standard Cyphers Incubator is guaranteed by the manufacturers to do first-class work in the hands of every purchaser who will give it a fair trial. Are built in four popular sizes.

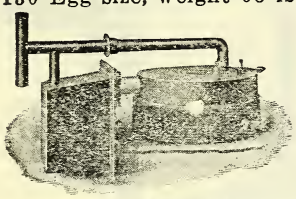
70 Egg Size, shipping weight 93 lbs.	**$33.00**
144 Egg Size, shipping weight 145 lbs.	**42.00**
244 Egg Size, shipping weight 195 lbs.	**56.00**
390 Egg Size, shipping weight 245 lbs.	**69.00**



Superior Hot-Water Incubator

In the Superior you get a hot-water incubator that is well built, well insulated and up to Cyphers standards in all details of design, material and workmanship. It is equipped with Cyphers Co.'s regulated patented toggle-lever regulator; it has a high grade water heating system; it can be operated more easily than any other hot-water machine; and it will outhatch and outlast any hot-water incubator on the market at anywhere near the price. It is well made and handsomely finished—nothing cheap about it in appearance. Built in two sizes and at prices as follows:

65 Egg size, weight 43 lbs.	**$17.75**
130 Egg size, weight 68 lbs.	**24.75**



Cyphers Adaptable Hover

The Cyphers Adaptable Hover is self-ventilating and self-regulating. It supplies a continuous flow of **fresh, pure, warmed** air under the hover, and at the same time maintains a steady, uniform heat. It is "adaptable" to use in Colony Coops, in portable houses, in home-made brooder coops, as well as in large brooding houses. It is constructed entirely of non-combustible material, and bears the fire underwriters', Inspected Brooder label. Capacity, seventy-five newly hatched chicks, or fifty chicks that are ten days to six weeks old. Weight 38 lbs.

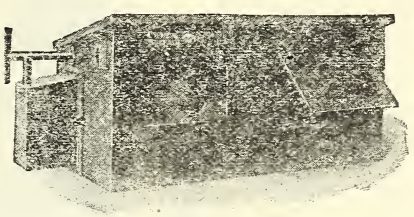
Price, $18.00

CYPHERS COMPANY BROODERS

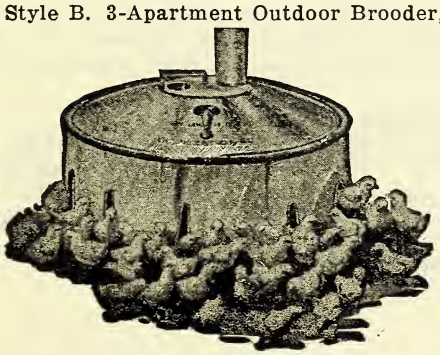
Standard Cyphers Brooder

The Standard Cyphers Brooder is not only fire-proof and insurable, but the most durable, convenient and most efficient indoor and outdoor brooder thus far invented and placed on the market. It is equipped with the same type of high-grade thermostat as used on the Standard Cyphers Incubator—you can therefore depend upon an even, steady temperature in the hover, and a lively, thrifty growing lot of chickens. The popular Style B (shown in illustration herewith) contains three apartments; first, roomy space under the hover; second, hover chamber; third, well-lighted exercising apartments. It has often been said by users of Cyphers Brooders that **"They Mother the Chicks Better than a Hen."**

Style B. 3-Apartment Outdoor Brooder, shipping weight 200 lbs. $35.00



Style B. Three-Apartment Brooder



CYPHERS CENTER LAMP PORTABLE HOVER

The greatest loss in the poultry business is in the raising of baby chicks. When selecting a hover, therefore, the buyer should make sure that the device he decides upon is constructed along scientific lines and contains the qualities necessary to success.

The Center Lamp Portable Hover can be used successfully in home-made coops; in piano or organ cases made to serve as brooding places; in barns and woodsheds; in ash houses; in garrets or other available rooms indoors; in outside kitchens; in garages; in dry-goods boxes large enough to accommodate it—anywhere that the chicks have protection from the elements.

Capacity 100 Chicks. Wgt. 24 lbs. Price $13.50.

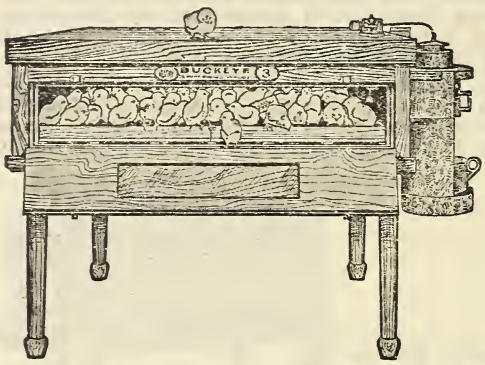
All Prices Subject to Change Without Notice.

BUCKEYE INCUBATORS

The "STANDARD" Hot Water Hatching Device
Guaranteed to Hatch Every Hatchable Egg

During the 30 years that Buckeye Incubators have been on the market they have earned the reputation of being "The most satisfactory hatching device that has ever been produced."

Each and every Buckeye is sold under an absolute guarantee to hatch every hatchable egg and we have no hesitation in recommending to our trade under that guarantee because we sold hundreds of them during the past five years that have given our customers the most remarkable hatching results.



"STANDARD" Buckeye Incubators

The incubators bear the Underwriters Fireproof Label.

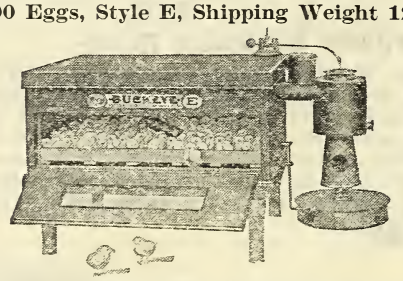
Equipped with every desirable device to be found on any incubator.

Guaranteed to remain in perfect working order for 5 years.

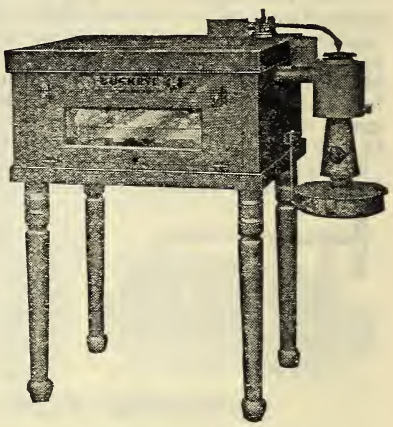
No. 1 Capacity 110 Eggs, Shipping Wt. 110 lbs. $37.50
No. 2 Capacity 175 Eggs, Shipping Wt. 135 lbs. 44.50
No. 3 Capacity 250 Eggs, Shipping Wt. 170 lbs. 57.75
No. 4 Capacity 350 Eggs, Shipping Wt. 206 lbs. 68.00

BUCKEYE INCUBATORS
STYLES E and H

No. 14 Capacity 60 Eggs, Style E Low Down, Shipping Weight 55 lbs. $16.50
No. 15 Capacity 60 Eggs, Style H, Shipping Weight 75 lbs. 16.50
No. 16 Capacity 110 Eggs, Style E, Shipping Weight .85 lbs. 27.50
No. 17 Capacity 200 Eggs, Style E, Shipping Weight 125 lbs. 36.75

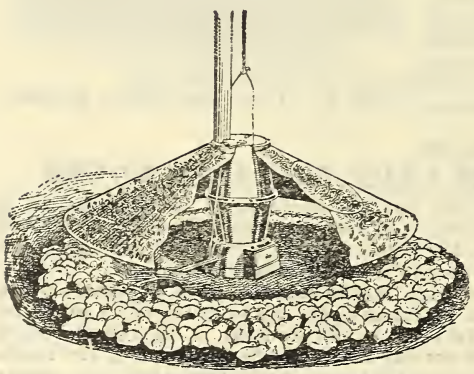


Buckeye Style E



Buckeye Style H

Standard Colony Brooder



A Brooder that enables any poultryman to care for 1,000 chicks with about the same amount of time and labor that formerly took to care for 100.

A Brooder that provides a constant correct temperature, a constant supply of pure, fresh air, plenty of exercise, and no possible chance for crowding—every essential for the welfare of the growing chicks—with such automatic regularity that all possibility of unfavorable conditions so commonly found in other brooders are entirely eliminated.

Send for Complete Buckeye Catalog

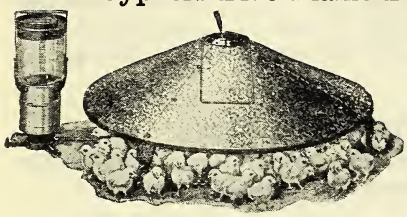
No. 18 Dome 42 in., weight 75 lbs., Capacity up to 500 Chicks Price $21.50

No. 19 Dome 52 in., weight 95 lbs., Capacity up to 1,000 Chicks $26.50

All Prices Subject to Change Without Notice

BROODERS AND HOVERS

Cyphers Blue Flame Brooders

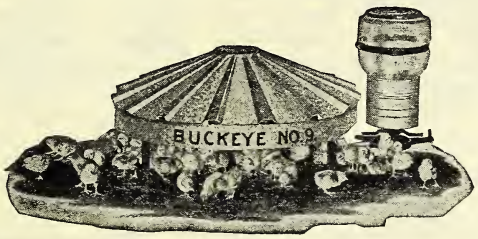


Burns coal oil with steady blue-flame. Oil supply regulated automatically. No wick to trim; no oil fumes. Convenient. Safe. Economical.

The hovers are made of galvanized sheet iron, supported by three legs. There is nothing to wear out. The space under the hover can be filled to capacity because the heater does not occupy any floor space.

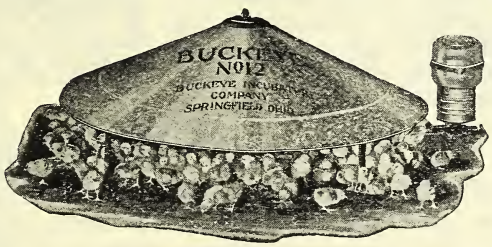
No.	Canopy	Capacity	Wt.	Price
30	30 in.	37 lbs.	350 Chicks	$17.50
42	42 in.	44 lbs.	500 Chicks	20.00

Buckeye Blue Flame Brooders



High power oil burning brooder. No complicated levers, valves or thermostats. Equipped with a Blue Flame burner that is absolutely smokeless, odorless and noiseless, self-feeding, self-regulating, simple, safe and durable.

No.	Canopy	Capacity	Wt.	Price
9	24 in. Dia.	75 Chicks	32 lbs.	$9.75

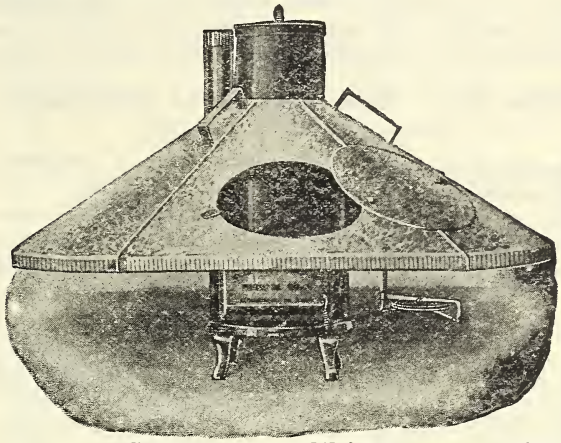


No.	Canopy	Capacity	Wt.	Price
10	34 in. Dia.	200 Chicks	40 lbs.	$17.50
11	42 in. Dia.	350 Chicks	50 lbs.	20.00
12	52 in. Dia.	500 Chicks	60 lbs.	22.50

NEWTOWN Colony Brooder

Coal-burning, Self-regulating

The Newtown Coal-burning Colony Brooder needs no introduction to poultrymen. It was the first coal-burning, self-feeding, self-regulating Colony Brooder put upon the market—has been longer in use than another of its type—and is giving efficient service in every State of the Union and nine foreign countries. It represents the modern up-to-date brooder in the highest form of development. The Newtown way is the proven road to better profits.



No.	Canopy	Weight	Price
6	42 in. Dia.	110 lbs.	$22.50
7	48 in. Dia.	140 lbs.	25.00
11	50 in. Dia.	195 lbs.	32.50

The Nos. 6 and 7 Newtown Coal-burning Colony Brooders were designed especially for single room brooder houses, approximately 6x8 to 10x12, and flocks of 200 to 300 chicks.

The No. 11 Brooder is designed especially for two-room colony houses, or large single room buildings. The No. 11 for approximately 240 square feet and up to 500 chicks.

International Sanitary Hover

Advantages possessed by the International Hover and not to be found in any other brooding device.

1. It is warmer at the curtain than near the center. This causes the chicks to distribute themselves just back of the edge of the curtain where they have a consistent supply of fresh air and plenty of room.

2. It is entirely circular and has no corners for the chicks to crowd into.

3. The lamp holder can be lifted out through the top of the hover by a person standing up. This makes it unnecessary for the operator to kneel in the dust and mud to tend his lamp.

It gives ample heat under the hover without so heating the surrounding floor space as to cause leg weakness among the chicks.

Price: Sanitary Hover, 28 in. Dia., Capacity 100 Chicks, Weight 24 lbs., $13.50.

All Prices Subject to Change Without Notice

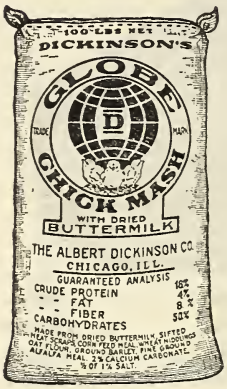
"GLOBE BRAND" POULTRY FEEDS

Always Ready **No Waste** **No Dirt**

Our Globe brand of Poultry and Chick Feeds represents strictly high-grade mixtures—manufactured from Sweet, Sound Cracked Grains and Seeds—scientifically proportioned and in sizes best adapted for feeding, carefully sifted and recleaned. No pains are spared to produce Feeds of the greatest value—best quality and uniform grade—the standard of which is maintained at all times.

Globe Chick Mash with Dried Buttermilk

A first feed for baby chicks



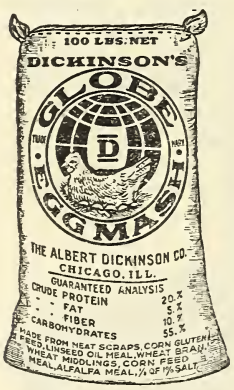
The baby chick is extremely delicate and the utmost care should be exercised in selecting feed which will be easily digested and at the same time supply the proper nourishment. **Globe Chick Mash with Dried Buttermilk** is prepared especially for the proper starting and rapid building up or growth of young chicks. After they begin to eat, it should be fed in small hoppers and kept before them all the time.

This should be supplemented with **Globe Chick Feed.** When this is done the chicken will "get off to a flying start" and will grow quicker, mature earlier.

Globe Developing Feed

An Intermediate Feed for Growing Chicks.

A Coarse Grain Chick Feed to meet the requirements of growing chicks from the time they have outgrown the Globe Chick Feed until large enough for Globe Scratch Feed. Screened and graded to adaptable size. Mixed and recleaned by the most approved methods. This feed, like all other "Dickinson's Brands," is composed of the choicest materials obtainable.

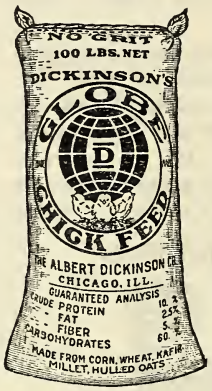


Globe Egg Mash

Invaluable as a Supplementary Feed for Winter Laying. 15% Meat Scraps and Oil Meal —16-18% Protein. Can be fed dry or moistened as preferred. The regular grain ration should be supplemented once a day by some mixture of ground feed containing high protein. An Ideal Feed for Growing Fowls and Laying Hens.

Globe Chick Feed

A complete Grain Feed for Chicks from the time they are hatched until 8 or 10 weeks old.



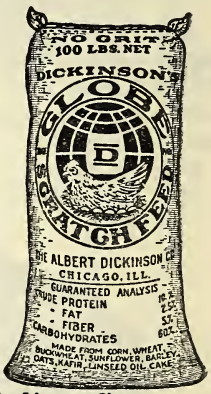
A standard mixture of recleaned Cracked Grains and Seeds, Hulled Oats, fine Granulated Bone and fine Charcoal. Specially selected for size, and composed of ingredients necessary in promoting healthy and rapid growth.

This is the critical period of chick life, and Globe Brand is prepared especially to meet the emergency and is intended for feeding until the chickens are large enough to be fed the coarser Developing Feed.

Globe Scratch Feed

A Balanced Grain Ration Poultry Feed for Grown Fowls. Suitable at All Seasons.

Under this brand we offer our standard mixture of Poultry Feed manufactured from Selected Cracked and Whole Grains and Seeds, scientifically mixed to furnish a complete balanced ration, with an assortment of material best adapted for rapid growth and egg production. The protein, fat and carbohydrates are so maintained as to form the greatest feeding value and produce the best results.



Purity Alfalfa Meal—Medium Cut

As an accompaniment to the mash fed by some and the dry feed by others, a vegetable food is indispensable, in fact, no mash is complete without it. Among green feeds, Alfalfa stands at the top, and when used with the mash, Medium Cut Alfalfa is mixed dry with other foods, and scalded or boiled with them, as the poultryman desires. When fed in connection with dry grains it should be scalded in a trough or other vessel and left for the fowls to eat at will.

All Feeds listed above come in 100-pound bags.

Samples and prices on request.

Use Buckeye Hot Air Incubators and Standard Coal Burning Brooders.

All Prices Subject to Change Without Notice

Poultry Charcoal

Is especially prepared for poultry, carefully screened and is different than other charcoals. Goods are put up in 50-lb. burlap bags in three sizes as follows:

Fine granulated for Brooder Chicks and Dry Chick Food Mixtures.

Medium granulated for Half Grown Fowls, Pigeons, etc.

Coarse granulated for Full Grown Fowls, Geese, Turkeys, etc.

Price: Coarse, 60-lb. bags, $2.85 each. Medium and Fine, 50-lb. bags, $2.40 each.

Dr. Hess Poultry Pan-a-ce-a

makes poultry healthy; makes hens lay; not a stimulant, but a tonic, that tones up the dormant egg organs, brings back the scratch and cackle, and compels each hen to put her share of eggs in the market basket.

It also contains internal antiseptics that counteract disease; insures a healthy, singing poultry flock. Cost but a trifle—a penny's worth enough for 30 hens per day.

Prices: 1½ lb. pkg., .25; postpaid, .35; 5 lb. pkg., .75; postpaid, .90; 12 lb. pkg., $1.50; postpaid, $1.70; 25 lb. pail, $3.00.

Instant Louse Killer

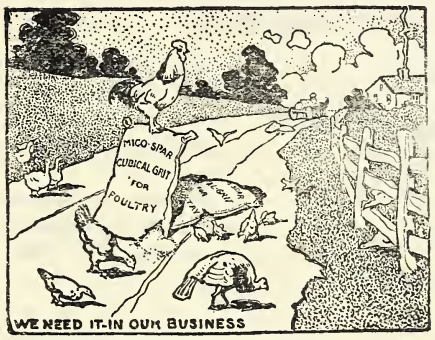
Kills lice on poultry, horses, cattle; sheep ticks; bugs on cucumber, squash and melon vines; cabbage worms; slugs on rose bushes, etc. Sold in sifting-top cans—look for the word "Instant" before buying.

Prices: 1 lb. carton, .25; postpaid, .35; 2½ lb. carton, .50; postpaid, .60.

Conkey's Poultry Remedies

Conkey's Cholera Remedy	25 and 50c
Conkey's Roup Remedy	25 and 50c
Conkey's White Diarrhoea Remedy	25 and 50c
Conkey's Poultry Tonic	25c
Conkey's Head Lice Ointment	10 and 25c
Conkey's Lice Powder	10 and 25c
Conkey's Lice Liquid	35c
Conkey's Laying Tonic	25 and 50c
Conkey's Nox-i-cide Disinfectant	35c

Mica-Crystal Grit



Does not become smooth, but retains its cubical form until entirely worn out.

Coarse for Turkeys and Fowls.

Fine for growing Chicks and Pigeons.

Price: 100-lb. bag, $1.15.

STERLINGWORTH DIARRHOEA REMEDY

This is a money back guaranteed remedy for white diarrhoea in young chicks and for all bowel trouble in grown fowls. It is the original White Diarrhoea Remedy. It is a powder to be used in the fowls' drink. **Prices: 25 and 50 cents postpaid.**

Grenier Caponizing Set

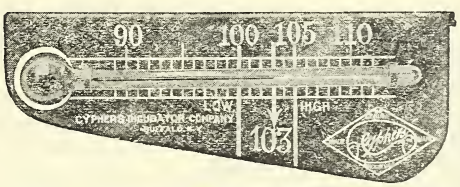
Designed to simplify the operation of caponizing, so that the beginner can easily master it. This set consists of a lancet shaped knife, spring spreader, forceps, hook, ring, ring probe and canula. Price in velvet-lined case, **$3.50.**

Poultry Killing Knives

These knives are made of the best steel and of special design. **Price: .40 each; postpaid, .45.**

Oyster Shells

Crushed and ground to the size which expert poultry men agree to be the best. **Price: 100-lb. bag, $1.25.**



High Grade Tested Thermometers

Cyphers Style Incubator Thermometers	.60; postpaid .65
Buckeye Style Incubator Thermometers	.60; postpaid .65
Incubator Thermometer with legs	.60; postpaid .65
Brooder Thermometers	.65; postpaid .70

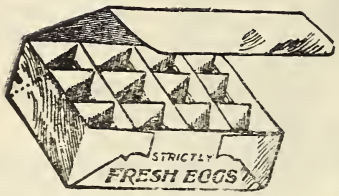
Iron Age

Garden Cultivators and Seeders are listed in Implement Section

All Prices Subject to Change Without Notice

POULTRY SUPPLIES

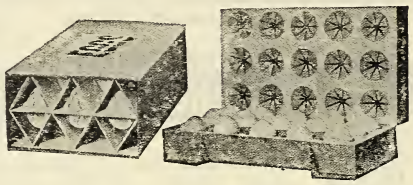
Eagle Egg Boxes



Just the thing for the family egg trade. Shipped knocked down, easily set up.

Prices: 1 dozen size, .20 per dozen, postpaid, .30; 125 for $1.90, postpaid, $2.10.

The Diamond Parcel Post Egg Carrier



Diamond parcel post egg carrier can be used repeatedly for a long time and each one will pay for itself many times in saving eggs from breakage. Shipped knocked down.

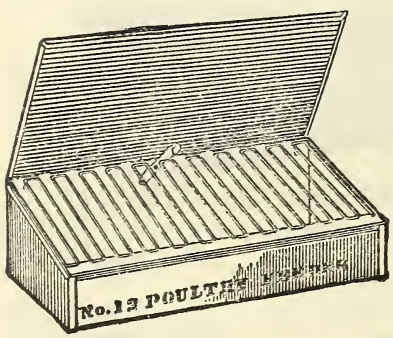
Prices: One dozen size, .35 each, postpaid, .40; per dozen, $3.60, postpaid, $3.80; two dozen size, .55 each, postpaid, .65; per dozen, $5.30, postpaid, $5.55; five dozen size $1.00 each, postpaid, $1.12; per dozen, $10.50, postpaid, $11.00.

Hatching Sizes

15 egg size, .40 each; postpaid, .46; per dozen, $3.75; postpaid, $4.00.

30 Egg size, .60 each; postpaid, .68; per dozen, $6.00; postpaid, $6.35.

Felker's Dry Mash Feeders



Made in two sizes. No. 12 and No. 24. No. 12, for a small colony of fowl or growing chickens. No. 4, a practical dry mash feeder for fowl. They cannot clog. They are dirt and rat proof, and are protected from waste by an especially designed grid. Should be hung on the wall by two nails, as high as the fowl can reach with ease. These Dry Mash Feeders are designed to give the consumer a feeder that in every way is practical, at a very reasonable price.

Prices: No. 12, $1.10, postpaid, $1.20; No. 24, $1.35, postpaid, $1.50.

Mann's New Model Open Cylinder Green Bone Cutter

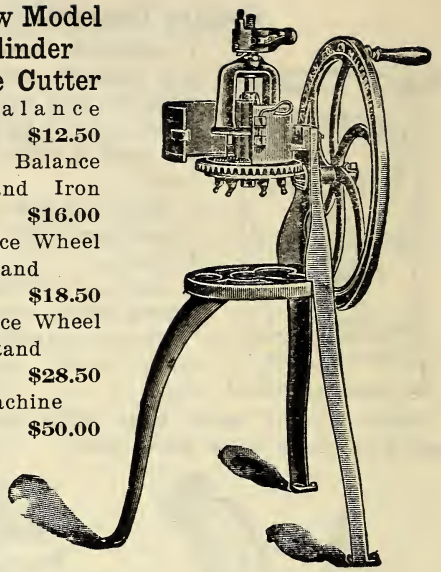
5B, with Balance Wheel **$12.50**

5BM, with Balance Wheel and Iron Stand **$16.00**

7, with Balance Wheel and Iron Stand **$18.50**

9, with Balance Wheel and Iron Stand **$28.50**

12, Power Machine **$50.00**



Peerless Brooder Fount

Just the fount for your brooder. Can be set on the floor or hung on the wall within reach of the chickens. Can be cleaned same as large founts.

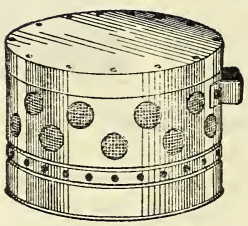
Price: 1 qt., .40, postpaid, .45.

Peerless Drinking Fount

Very easy to clean by simply removing the bottom. Can either be hung on the wall or by the bail.

Price: 5-qt., $1.00, postpaid, $1.20; 10-qt., $1.35; postpaid, $1.60.

The Peerless Heater

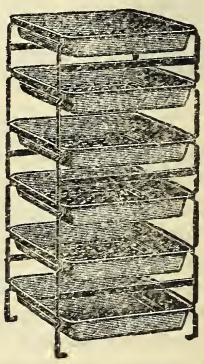


For winter use. Can be used with any fountain. Water will never freeze or become too warm. Easy to care for and costs but little to run. **Taking the chill from the water means more eggs.**

Price $2.00, postpaid $2.10.

Pat. Jan. 18, 1910.

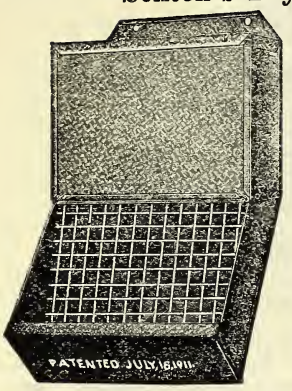
The Economy Oats Sprouter



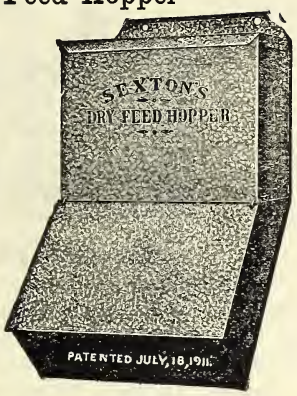
The best device for producing clean sprouted oats. Has five perforated pans, each 16x17 in., and one drip pan at bottom. No lamp, no danger, very durable, compact. Green food all winter if you use the Economy Oats Sprouter which means bigger egg yields, consequently more profit. **Price $7.25**

All Prices Subject to Change Without Notice

Sexton's Dry Feed Hopper



Open



Closed

Easy to fill. No waste. Rat proof. Rust proof.

Pronounced to be the best Hopper offered. Simple in construction, easily operated and absolutely "rat" and "mouse" proof.

The lower cover is so arranged that it is held up by locking the top cover of Hopper over same, and by raising the top cover the lower cover will fall in place.

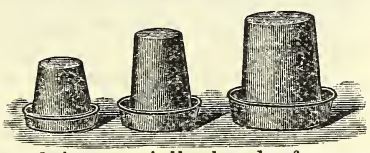
It is unnecessary for us to treat on the advantages of Dry Feed, as it is now being used extensively by all raisers of Poultry.

This Hopper is arranged to hang on the wall the desired distance from the floor and never need be removed from the wall to be refilled. It is impossible to waste any feed as the pan at the bottom takes any feed that may be picked out and the last crumb can be used, therefore saving any waste. The body being covered, keeps feed dust-proof and clean and is always dry.

12 qt. ..... Price $1.75; postpaid, $1.90
24 qt. ..... Price $3.00; postpaid, $3.25

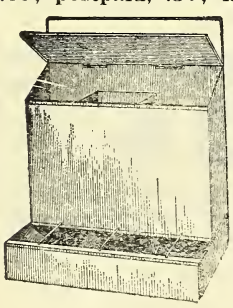
Separable Drinking Fountains

Low-Priced—Easy to Clean—Will Last Many Years.



Drinking Fountains are made of heavy galvanized iron. The small size (1 quart) is designed for chicks and is especially handy for use in brooders. The medium size (2 quarts) is for larger chicks. The large (3½ quart) size is for adult fowls.

Prices: Each, small, .40; postpaid, .45; medium, .50; postpaid, .57; large, $1.00; postpaid, $1.10.



Poultry Feeder

Our popular 1-2-3 Poultry Feeder can be used as a one, two or three apartment feeder, by simply changing the dividing walls. Perfectly sanitary and clean.

Price: Small, $1.00; postpaid, $1.10; large, $1.60; postpaid, $1.80.

Porcelain Nest Eggs

These Eggs are made of first class Flint Glass. They do not break easily and will last indefinitely.

Price, each, .05; per dozen, .60 postpaid.

Star Jar Fountain and Feeder

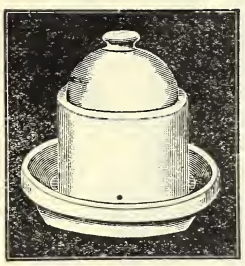
Patented

The most simple, practicable and durable Mason Jar Fount on the market

Will fit pint, quart or one-half gallon Mason jar. Manufactured of one piece of non-rusting metal. No parts to come unsoldered. Leaking impossible. Convenient, cheap and sanitary. Provides greater drinking surface than the round fountain. Little chicks cannot get drowned. Can be used for feed as well as water. Manufactured in one size only. **Price: .15; postpaid, .20.**

Cyphers X-Ray Egg Tester

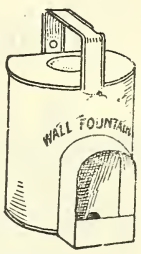
The Cyphers X-Ray Egg Tester is made of the best block tin and consists of a central cylinder or lamp flue, 5¼ inches high with an outside diameter of 2⅝ inches at the base and 2⅜ inches at the top. It is designed for use in an ordinary hand lamp, fits over any style of burner with a diameter approximately that of the tester. In a dark room the light will be found strong enough to penetrate the shell and illuminate the interior of the egg. **Price: .50 each; postpaid, .55.**



Earthenware Drinking Fountains

¼ Gal., each	$0.40
½ Gal., each	.50
1 Gal., each	.65
2 Gal., each	.85

Wall Founts



All these wall founts have hoods over the troughs, which prevent dirt from settling in the water. Can be hung up on the wall, and for this reason are preferred by many to the 2-piece fount which must be placed on the floor.

Price: 1 gal., .85; postpaid, .95; 2 gal., $1.15; postpaid, $1.25.

Leader Adjustable Leg Bands

Latest and best adjustable leg band out. Has neat, compact and smooth fastening with no catching points.

Price, postpaid: 12, .12; 100, .80.

Spiralet Leg Bands

Made of celluloid in ten colors. Poultry size.

Price Postpaid: 12, .12; 100, .80.

All Prices Subject to Change Without Notice

Ideal Sanitary Poultry Drinking Fountain

The simplest, handiest and most practical fountain made. Keeps water the right temperature all the year. Has no lamps to trim and valves to get out of order. Saves time, labor, and worry and costs nothing to run. In offering this fountain we feel that we have added a long wanted article in up-to-date caring for poultry. The open pan or drinking fountain gave to poultry only stale or filthy water which was too warm in summer and too cold in winter. These conditions led us to devise a fountain in which water could be kept PURE and CLEAN and of desired temperature in any climate.

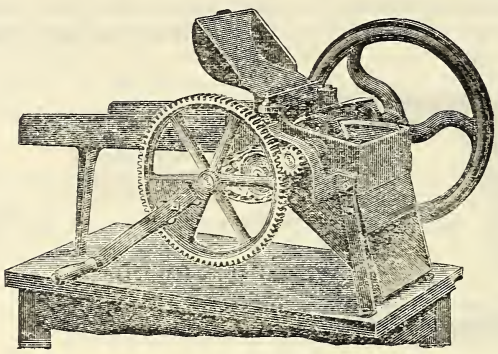
Prices: Two gallon size, $4.25; three gallon size, $4.75.

"New Model" Clover Cutter

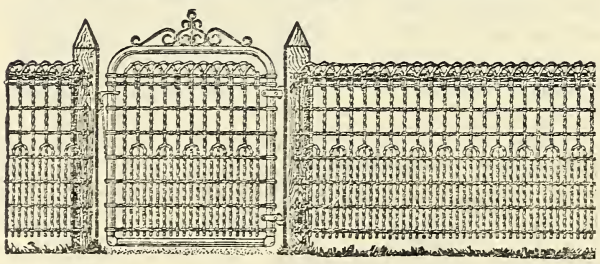
For Poultry

Just the cutter for the poultry raiser. Cuts all kinds of feed, either green or dry. Has removable steel knives, adjustable cutter bar. It runs easy, cuts fine and is durable. With four 7-inch knives.

Our Price, $12.00



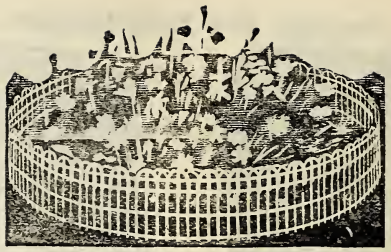
"NORWOOD" QUALITY PRODUCTS



Style 600 Lawn Fence

Specifications—No. 9 wire crimped uprights spaced 2⅞ inches apart. Interwoven at bottom with an additional No. 9 wire crimped upright for a space of 20 inches from bottom.

Price: 42 inches high only, .24 per foot.

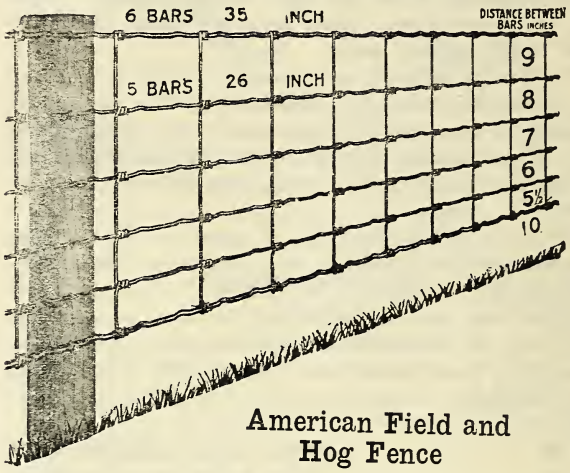


Norwood Flower Guard

Designed for the protection of flowers. Uprights made of No. 9 heavily galvanized wire. Furnished in two sizes, 16 inch which sets 12 inches above ground; 22 inch which sets 18 inches above ground.

Prices: 16 inch, .12 per foot; 22 inch, .13 per foot.

AMERICAN FIELD AND POULTRY FENCE



American Field and Hog Fence

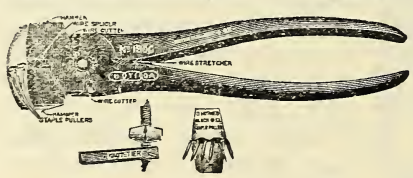
Made of large, strong, high-grade steel wires, heavily galvanized. Amply provides for expansion and contraction. Is practically everlasting. Never goes wrong, no matter how great a strain is put on it. Does not mutilate but does, efficiently, turn cattle, horses, hogs and pigs.

Every rod of American Fence Guaranteed by the manufacturers. Call and see it. Can show you how it will save you money and fence your fields so they will **stay fenced.**

Design	No. Bars	Height Inches	Dis. bet. St. in.	List Price per rod
635	6	35	12	$ .73
845	8	45	12	.95
832	8	32	6	1.19

Write for our prices

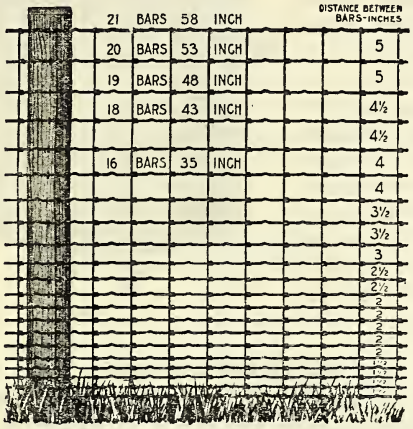
STAPLE PULLING PLIERS



Drives staples, pulls staples, cuts wire, splices wire, straightens wire. **Price $1.75; postpaid, $1.85.**

All Prices Subject to Change Without Notice

List Prices on American Poultry and Rabbit Fence



Design No.	No. Bars	Height Inches	Distance between Stays Inches	Approximate wt. lbs. per rod	Price per rod
2158	21	58	6	12.9	**$1.49**
1948	19	48	6	11.5	**1.33**

Write for our prices

Our New American Poultry and Rabbit Fence with its close mesh fills a want long felt by dealers handling American Fence.

At the bottom are four spaces of 1½ inches each. The next five spaces are 2 inches each, the higher spaces graduated to 5 inches as shown in illustration.

Poultry Netting

We carry the well-known New Jersey Netting and guarantee it to be the very best. It is galvanized after weaving, has three salvage wires, where other makes have but two. It is coated with pure spelter, or zinc (tin rusts), and is full measure in length and width.

All sizes in both Poultry and Chicken mesh. Write for prices.

We also carry a full line of Plain Wire, Barbed Wire, Fence Staples, Poultry Staples, Nails, etc.

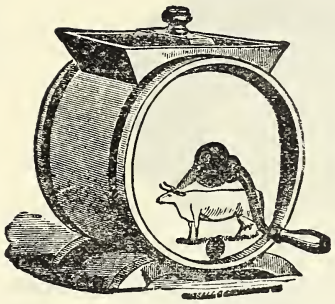
FOR THE LAWN

Try Our Purity Lawn Seed

Mixed by us from one of the best formulas known and containing no weed seeds.

DAIRY SUPPLIES

Cylinder Churns



No. 0 will churn 1 gallon **$3.35**
No. 1 will churn 2¼ gallons **3.75**
No. 2 will churn 4 gallons **4.50**
No. 3 will churn 7½ gallons **5.25**
No. 4 will churn 10½ gallons **6.00**

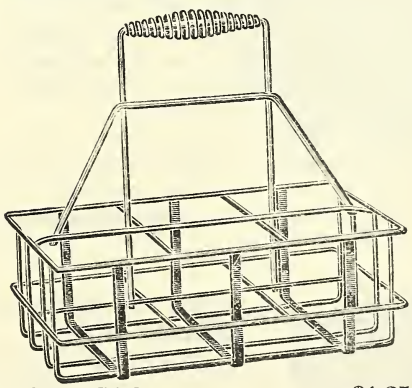
Lightning Sanitary Churn and Mixer

What It Does. It will actually make two pounds of butter from one pound of fresh, sweet milk. The butter is delicious and sweet. Follow directions and you will get results.

An Economical Luxury. If creamery butter is 34 cents a pound and milk 4 cents a pint, your milk-charged table-butter made with this churn will cost 19 cents a pound. (The proportion is one pound of butter to one pound or pint of milk.)

Other Uses. The Lightning Sanitary Churn may also be used to make regular butter direct from cream; as a cream and egg beater; as a salad dressing or batter mixer; and as a butter renovator.

Prices: 1 qt. $1.50, postpaid, $1.65; 2 qt., $2.00, postpaid, $2.15; 3 qt., $2.50, postpaid, $2.70; 4 qt., $3.00, postpaid, $3.25.



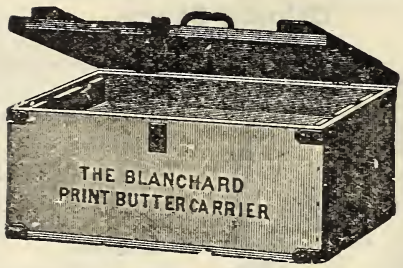
Electric Welded Wire Bottle Carrier

Guaranteed not to break at the welded points.

6 Quart Light ..... $1.25; postpaid, $1.35
8 Quart Light ..... $1.50; postpaid, $1.65
6 Quart Heavy ..... $1.80; postpaid, $1.95
8 Quart Heavy ..... $2.00; postpaid, $2.15

All Prices Subject to Change Without Notice

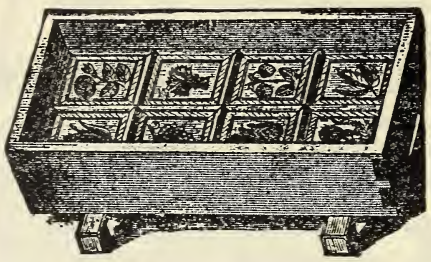
Blanchard Butter Carrier



No.	6½	4 trays, 12 lbs. capacity	**$2.90**
No.	7	4 trays, 16 lbs. capacity	**3.30**
No.	8	4 trays, 24 lbs. capacity	**3.80**
No.	9	4 trays, 32 lbs. capacity	**4.25**
No.	10	5 trays, 40 lbs. capacity	**4.80**
No.	11	6 trays, 48 lbs. capacity	**5.70**

With or without galvanized ice boxes.

Will be shipped without ice boxes, unless they are ordered.

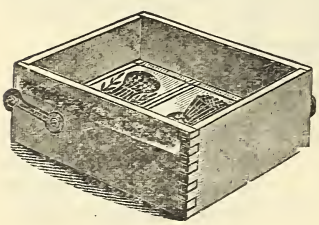


The Kinerson Combination Butter Prints

The Kinerson Prints are too well known to require elaborate advertising or testimonials. There are various devices on the market for printing butter, but the Kinerson Print has no real competitor. Its first cost is a trifle in advance of the cost of inferior goods, but no more so than is necessary to insure each customer of honorable business dealing, first-class workmanship, skilled engraving executed to order, and a thoroughly practical, simple and convenient Print which is the fruit of years of careful study, experiment and improvement—a Print that will save many times its original cost, in valuable time, and will outwear any other Print on the market. The above statements are made in thorough good faith and the Prints themselves will demonstrate their truthfulness.

These Prints will be carved with any Initial, Monogram or design wanted. Price including Cutters and Paddles, postage paid anywhere in New England

Lb., $6.00; 2 lbs., $7.50 postpaid.



Genuine Blanchard Butter Molds

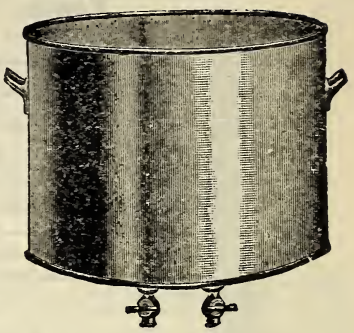
Machine Carved

½ pound **.85 postpaid**

1 pound **1.00 postpaid**

The Sensible Bottle Filler

This is a small tank, heavily tinned and holding about sixty quarts. It has two straight bore faucets in the bottom near the edge. They are inexpensive and very handy for the small milk dealers who do not feel like paying a large sum for one of the larger machines.



Price, each $8.00.

Milk Bottle Caps

All Sizes and Styles, lb ..... **.32; postpaid, .38**

Prices on larger Quantities on Application

Champion Milk Cooler Aerator

A perfect Aerator, removing all flavors arising from excessive cabbage, turnip or silo rations.

It is equally well adapted to the use of any cooling medium, either running water, ice water, or, if a very low temperature is not required, ordinary well or spring water.

Is automatic, requiring no attention while in operation.

No. 2 Holds 18 Quarts. Takes care of 3 Milkers, Shipping weight 30 lbs. **Price $11.75**

No. 3 Holds 34 Quarts. Takes care of 5 Milkers, Shipping weight 35 lbs. **Price $14.00**

DOMINION CLEANSER

Is especially adapted for use in Creameries, Cheese Factories, Ice Cream Plants, Hotels, Restaurants and Private Houses.

It is a Soda and Makes No Suds

Contains no Grease, Potash or Lye.

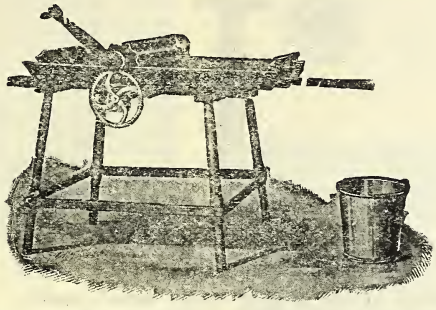
Will destroy nothing, but cleans and cleanses everything washed with it and is perfectly sanitary. For household use it has no equal. Sold in 5 lb. sacks at 25c. **Postpaid, .35.**

All Prices Subject to Change Without Notice

Stone Dash Churn

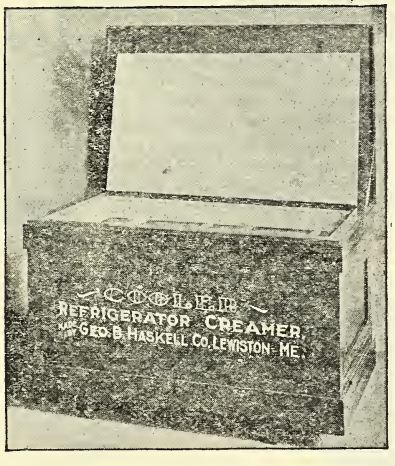
2 gallons, price with dasher	$1.00
3 gallons, price with dasher	1.25
4 gallons, price with dasher	1.50
5 gallons, price with dasher	1.80
6 gallons, price with dasher	2.15

WATERS BUTTER WORKER



Without doubt the most practical and best known Butter Worker on the market. Guaranteed to handle butter in any condition satisfactorily.

No.	Tray	Capacity	Our Price
0	27 in. x 14 in.	1 to 15 lbs.	$20.50
1	36 in. x 15 in.	5 to 30 lbs.	21.75
2	36 in. x 18 in.	5 to 40 lbs.	22.80
3	39 in. x 20 in.	5 to 50 lbs.	23.50
4	48 in. x 22 in.	10 to 75 lbs.	24.00



Cooley Creamers

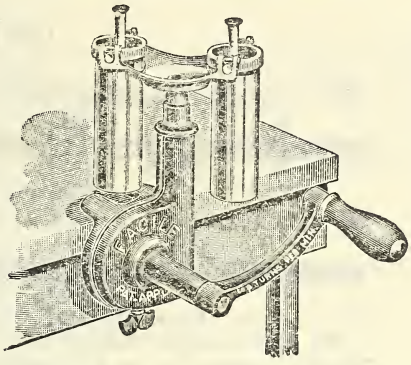
The Best Gravity Method in the World

Price of Tank Less Cans

No. 2	For four cans	$46.00
No. 3	For six cans	54.00
No. 4	For eight cans	60.00
No. 5	For ten cans	67.00
No. 6	For twelve cans	77.00
No. 7	For fourteen cans	83.00
No. 8	For sixteen cans	90.00

Strainer frame and thermometer extra.

The "Facile, Jr.," Babcock Milk and Cream Tester—Cut Steel Gears

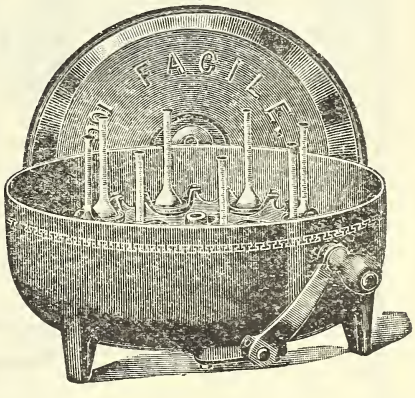


An exceedingly simple, light, compact and carefully designed apparatus, especially adapted to the use of the dairy, and also on account of its light weight, to the traveling dairy inspector.

Complete with full set of glassware consisting of test bottles, pipette and acid measure; also test bottle brush and bottle of acid with full directions for use.

	Price
2-bottle machine complete for testing cream and milk, including two cream test bottles and combined pipette	$9.75
4-bottle machine complete for testing cream and milk, including two cream test bottles and combined pipette	10.50

The "Facile" Improved Iron Frame Hand Babcock Milk and Cream Tester



Handsome cast-iron case and cover, cut spur and worm gearing, malleable iron bottle carrier, seamless brass detachable swinging pockets for holding test bottles.

Enclosed gearing, bottles perfectly horizontal when rotating. Turns easily and runs smoothly and noiselessly at a very high speed.

6-bottle machine	$22.25
8-bottle machine	23.50
10-bottle machine	24.75
12-bottle machine	26.00

All Prices Subject to Change Without Notice

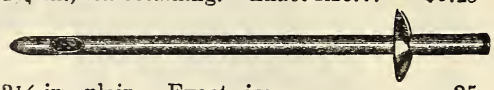
DAIRY SUPPLIES

(Continued)

The "Boston" Aseptic Milking Tube

PRICE

2¼ in., self-retaining. Exact size... $0.25



2¼ in., plain. Exact size..... .25

The Boston Aseptic Milking Tube is recommended because it is so well finished and so easily sterilized. It is manufactured regularly in 1¾, 2¼, 2¾, 3¼ inch lengths; plain or self-retaining, as desired.

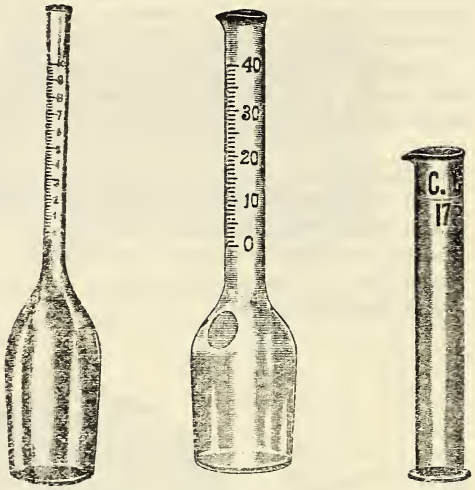
The "Boston" Aseptic Teat Dilator

(Dr. Murphy's Modification)

No More Hard Milkers

"Spider" in the teat is easily cured, and sphineter paralysis entirely disappears after a few days' use. Recommended by veterinarians and dairymen.

Price, 25c. each



Milk Test Bottle — Conn. Style Cream Test — Acid Measure

Milk test bottles, 10 per cent, each .	$0.30
Cream test bottles, 0 to 50 per cent each.....	.35
Ohlison's skim milk bottles, each....	.75
Milk and cream pipettes, each.....	.30
Acid measure, each.....	.25
Test bottle brush.....	.15

Boston Milk Fever Outfit

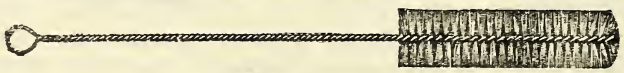
A cheap, portable, non-destructible apparatus for use in cases of milk fever.

More economic than oxygen apparatus. It can be carried in the coat pocket. No wide-awake veterinarian case is complete without one of these instruments, and every dairyman should be provided with one for an emergency.

Recommended by Dr. John R. Mohler, Bureau of Animal Industry, Washington D.C.

Price, each, $4.00

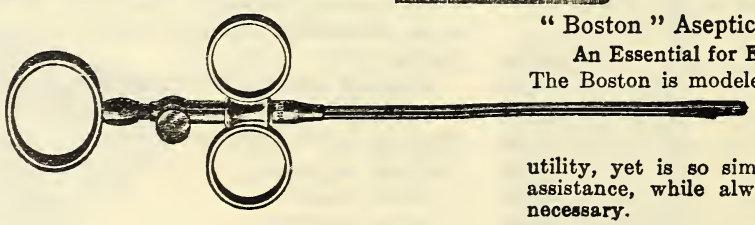
Plain Pipette



Test Bottle Brush — For Cleaning Babcock Bottles

"Boston" Aseptic Stricture Cutter

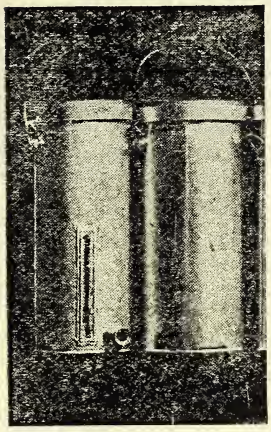
An Essential for Every Dairyman



The Boston is modeled on improved lines, and embodies the highest class of workmanship and utility, yet is so simple that professional assistance, while always desirable, is not necessary. Price, each. $2.25

All Prices Subject to Change Without Notice

Creamery Cans for Milk and Cream Storage

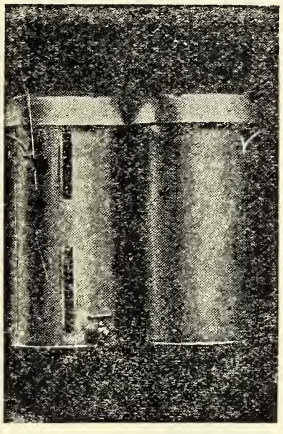


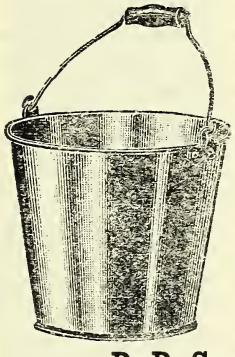
Goss Special Milk Can with Nickel Faucet, Cooley Cover, Gauge and Side Handles.
Price, $3.50

Goss Special Cream Storage Can with Cooley Cover and Side Handles. **Price $2.65**

Buffalo Milk Can with Lead Faucet, Gauge, Bail Handle and Cover. **Price $2.60**

Buffalo Cream Storage Can with Bail Handle and Cover. **Price $2.15**





Dairy Pails

10 Qt., 1x	Each	$0.50
12 Qt., 1x	Each	.55
14 Qt., 1x	Each	.60
10 Qt., 1xx	Each	.60
12 Qt., 1xx	Each	.65
14 Qt., 1xx	Each	.70
10 Qt., 1c Flaring	Each	.30
12 Qt., 1xxx Ex. Heavy	Ea.	.80

R. R. Special Milk Cans

20 quarts	$5.75
40 quarts	7.50

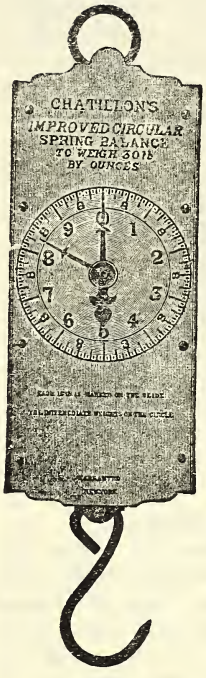
Milk Delivery Cans

8½ Quarts	$1.90
10 Quarts	2.10

Wooden Can Stoppers

3¼ in. x 3½ in. **Each, .10; Doz., .90**

Milk and Cream Scales



These scales are made with a loose pointer which, by means of a thumbscrew on the center of the pointer, may be set anywhere on the dial, thus taking the tare of the milk pail, etc. They are made with pounds divided in ounces or decimally.

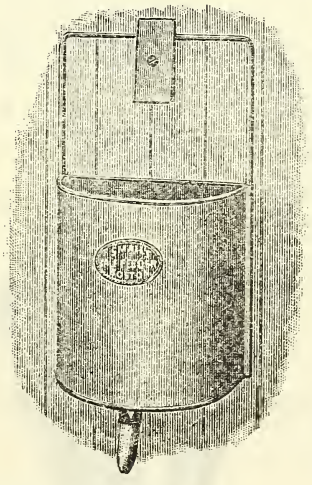
	Price
No. 260 M. O. 30 lbs. by 1 oz.	$6.75
No. 270 M. O. 60 lbs. by 2 oz.	8.00
No. 260 M. D. 30 lbs. by 1-20 lb.	6.75
No. 270 M. D. 60 lbs. by 1-10 lb.	8.00

If sent by Parcel Post, add 15c each.

Common Sense Calf Feeder

What It Is. The Common Sense Calf Feeder is a simple, practical device for weaning and feeding calves, so simple and so practical that every calf owner will see the value of it at a glance.

Price $2.50; Postpaid, $2.65. Extra Nipples .27 Postpaid.



Small's Calf Feeder

This feeder holds seven quarts and weighs about four pounds. Its chief merits are not only in its convenience, but in the sleek, healthy calves it produces, as they suck their food slowly in a natural way.

Price $4.00, Postpaid, $4.15. Extra Nipples .42, Postpaid.

BLATCHFORD CALF MEAL
The Complete Milk Equal

A 50-pound bag will nourish a calf from the time it is 4 or 5 days old until it can eat ordinary feed. Another bag or two combined with the ordinary feed will start it well on toward maturity.

All Prices Subject to Change Without Notice

Kow Kare

The Great Medicine for Cows Only

It acts upon the digestive, generating and milk-secreting organs, keeping the entire system toned up and in perfect working order. It goes to the roots of the trouble, and cures cow diseases by removing the cause.

Price: Small, .65; Postpaid, .75. Large, $1.25; Postpaid, $1.40.

Grange Garget Remedy

Grange Garget Remedy is favorably known to every dairyman. It is the most effective and satisfactory remedy for garget or hardening of the udder without in any way injuring the cow or lessening the flow of milk, and tones and invigorates the infected parts.

Price: .65; Postpaid, .75.

Bag Balm

For all diseases of udder and teats, such as caked bag, sore teats, bunches, chapping, cuts, or inflamed parts, you can use this remedy with perfect safety; positive results in every case. **Price: .60; Postpaid, .70**

Calves' Cordial

Is free if it fails to cure scours in cows and calves.

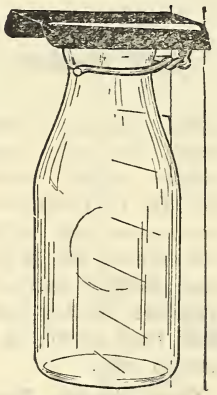
Price: .75; postpaid, .85.

Cows' Relief

It is used as a local application on cows' bags and teats. It will cure caked bags in 12 to 24 hours, if taken at the start.

Price: Small, .60; large, $1.20
Postage extra, each size, .09

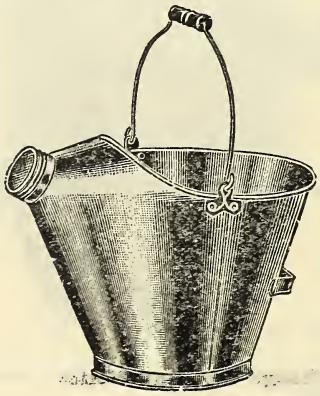
THE IDEAL



The Ideal Milk Bottle Holder holds a bottle of Milk or empty bottle in a sanitary condition away from cats and dogs and is easily attached to wall or door casing with one screw.

Price: (Postpaid) ..... .15

PAT. APD. FOR
MILK BOTTLE HOLDER



Strainer Pail
No. 124, 12 Qt., each
$3.25

Dr. Hess Stock Tonic

Formula printed on every package.

Every ingredient indorsed by the U. S. Dispensatory and other high medical authorities. It aids digestion, makes stock healthy, and expels worms. Helps stock convert more ration into milk, flesh, blood and muscle. **Every pound backed by the Dr. Hess & Clark unqualified guarantee.**

Prices:

2	lb.	Pkg.	.....$0.25
5½	lb.	Pkg.	.50
12	lb.	Pkg.	..... 1.00
25	lb.	Pail	..... 2.25
100	lb.	Drum	..... 8.00

This 25lb. Pail, $2.25

Dr. Hess Worm Powder

For horses, sheep, cattle and hogs. It is highly concentrated and is an effective vermifuge. Dr. Hess' own prescription that proved effective in his practice.

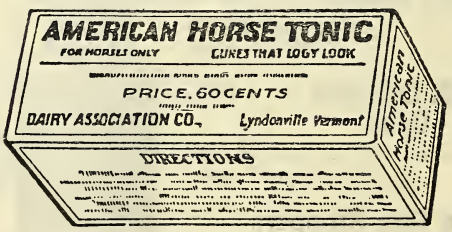
Price, 1½ lbs., .50.

Dr. Hess Healing Powder

The modern gall cure. Cures galls, cuts, wounds, ulcers, grease heel. Antiseptic and soothing. Heals everything it touches by forming a coating, cleaning and closing up wounds. Comes in sifting-top cans. **Price: 4 oz., .25.**

Horse Comfort

Nothing quite takes the place of Horse Comfort for a number of things to which all kinds of horses are susceptible. It is a real comfort and can not be beaten in cases of blood poison, flesh wounds, wire cuts, galls and sores of long standing, proud flesh, scratches, mud fever, snag wounds, sore shoulders, grease heel, malignant ulcers, fistula, poll evil, corns in horses. **Price per bottle: Small, .30, postpaid, .40; large, .60, postpaid, .70.**



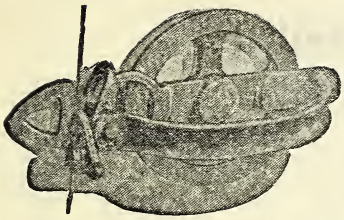
A reliable horse tonic is a great improver and conserver of the health of your horses. **American Horse Tonic** is wonderful for building up horses' health. It is recommended as an effective worm expeller; restores lost appetite; best for use in cases of rough hair, coughs, inflammation of lungs or bowels.

Price: .65, postpaid, .75.

Arabian Scratches and Gall Cure

It is a scientific remedy for scratches and grease heel. It works as horsemen like to have it. **Price: Small, .35, postpaid, .45; large, .75, postpaid, .85.**

All Prices Subject to Change Without Notice



Porter "Slam and Slide" Barn Door Latch

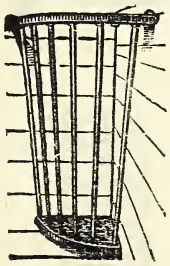
Here is a device that meets with the enthusiastic approval of every farmer. The Porter "Slam and Slide" Barn Door Latch fills a long-felt want.

It is absolutely without equal for simplicity, strength, durability and cleverness of operation.

It works equally well right or left, on either slam or sliding doors.

Can be locked with padlock. The screws are protected. Adapted for any size door. Material is the very best malleable iron. Nicely finished. **Price: .50; postpaid, .60.**

Corner Hay Rack



No. 3. Cast Top and Bottom and Steel Rods. **Price** **$2.75**
No. 12. All Cast Iron. **Price** **2.75**

Cattle Leads

No. 52. Each ..... .25
Postpaid ..... .30

Trace Chains

6½ Foot with hook, pair **$1.60**
Half with hook, pair ... .90

Lengtheners

No. 57 with snap and six links, pair ..... .60
Girting Chains, each .... .30

Halter Chains

No. 77. Sargent's. Each .65
Tenso 2/0 4½ ft. Each . .30

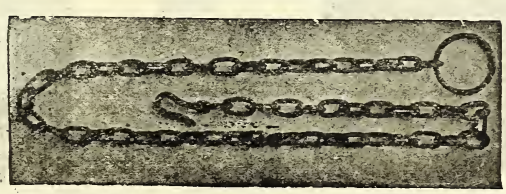
Tie Out Chains

Eureka, 20 foot. Each . .60
Eureka, 30 foot. Each . .80

Cow Chains

2½ Foot. Open Ring .. .35
3 Foot. Open Ring .. .40
3½ Foot. Open Ring .. .45
4 Foot. Open Ring .. .55
4½ Foot. Open Ring .. .65

Stake Chains



6½ foot with Ring and Hook. Pair **$1.60**

"Dandy-Lion" Weed Killer

Dandelion, Pigweed, Burdocks and other common weeds quickly and easily destroyed without cutting or digging, by use of the new "Dandy-Lion" Weed Exterminator. Cutting or pulling off the tops only retards the growth, the weeds soon re-appear, more vigorous than before. One operation with the "Dandy-Lion" kills root and all.

How It Works

All working parts are made easily accessible. The base with all working parts is quickly unscrewed and opened up for cleaning or adjustment. The plunger is pushed down into the crown of the weed and the hole is enlarged by moving the handle with a circular motion. Then by pressing down the handle, the valve opens, the desired amount of weed killing solution is deposited in the centre of the root to be killed and the work is done. **Price, $1.00.**

Sisal Rope Halters

No. 614. 6½ feet End Snap.
Price: .25; Postpaid, .35
No. 202. 8½ feet One Snap, Illustrated. **Price: .30; Postpaid, .40**
No. 200. 10 feet Two Snap.
Price: .40; Postpaid, .50

Bull Rings

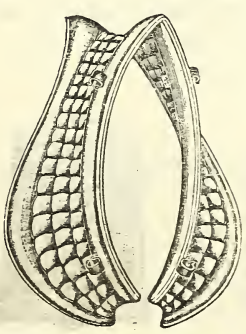
		Postpaid
2½ in. Steel	$0.15	$0.17
2½ in. Copper	.35	.37
3 in. Copper	.40	.42
3½ in. Bronze	1.85	1.90

Corner Feed Manger

No. 3, Plain Edge, 17x17 . **$3.00**
No. 6, Rolled Edge, 17x17 **3.35**

Ox Balls

No. 12. Each ..... .12½
No. 13. Each ..... .14
No. 14. Each ..... .15
No. 30. Each ..... .30



Horse Collar Pads

Tapatco Brand Red Edge. Old Gold Drill. Composite Stuffing. Four Hooks. Four Rows Quilting. Prices:

19 in., .50 each, .60 postpaid.
20 in., .50 each, .60 postpaid.
21 in., .55 each, .65 postpaid.
22 in., .55 each, .65 postpaid.
23 in., .60 each, .70 postpaid.
24 in., .60 each, .70 postpaid.
25 in., .65 each, .75 postpaid.

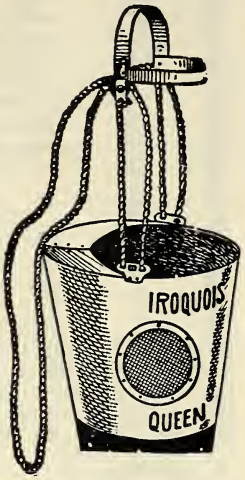
All Prices Subject to Change Without Notice

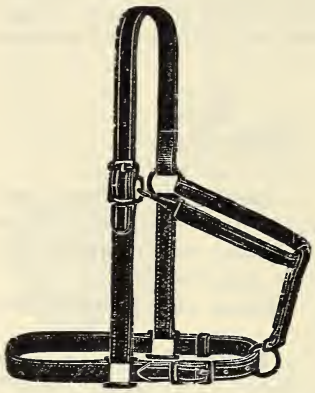
Bull Snaps

No. 500 ..... **$1.00; Postpaid, $1.10**

Canvas Feed Bags

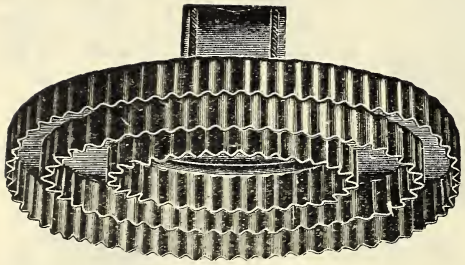
No. 1301. Modoc Wood Bottom ..... **.75**
No. 24½ O. K. Wood Bottom, Ventilated **1.15**
No. 36½S O. K. Wood Bottom, Ventilated **1.25**
No. 18½S O. K. Leather Bottom, Ventilated **1.50**
No. 08½ O. K. Leather Bottom, Ventilated, Reinforced **1.85**





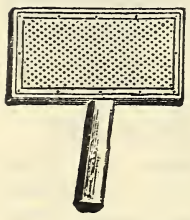
Leather Halters

No. 57, Black .. **$1.75**
No. 47, Russet . **1.75**
Black Cattle Halter **1.30**



Reform Curry Comb

Price, .25
Postpaid, .30



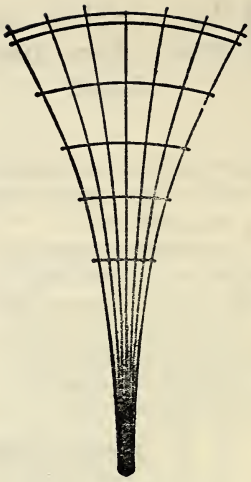
Cattle Cards

No. 04. Leather Board ..... **.30**
No. 4. All Leather ..... **.40**
No. 2. Leather, large size .. **.40**
Postage, .05 each.

Cow Bells

No. 1. 6½ in. **1.00; postpaid, 1.10**
No. 2. 5¼ in. **.85; postpaid, .95**
No. 3. 4¼ in. **.65; postpaid, .75**
No. 4. 4 in. **.60; postpaid, .70**
No. 5. 3¼ in. **.50; postpaid, .60**
No. 6. 3 in. **.45; postpaid, .55**

Trellises



Fan

Bow

No. 0½

No. 00

Veranda

Fan Trellis

	Price
1½ ft. Fan, 7 in. wide	$0.35
2 ft. Fan, 10 in. wide	.45
2½ ft. Fan, 13 in. wide	.70
3 ft. Fan, 16 in. wide	1.20
4 ft. Fan, 27 in. wide	1.75
6 ft. Fan, 38 in. wide	2.50
8 ft. Fan, 46 in. wide	3.35

Trellises

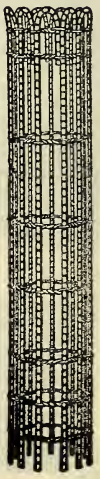
No. 00, 18 in. 3½ wide ..... **$.25**
No. 00, 20 in. 8 wide ..... **.30**
No. 0½, 24 in. 7½ wide ..... **.50**
No. 1, Bow 30 in. 10 in. wide ... **.75**
No. 3, Bow 36 in. 12 wide **1.20**

Veranda Trellis

6 ft. Veranda, 18 in. wide $2.35
8 ft. Veranda, 18 in. wide 3.20
10 ft. Veranda, 20 in. wide 4.00

Tree Guard

Made from heavy galvanized wire and very ornamental, affording absolute protection to trees. Two or more may be used together for trees of large diameter.



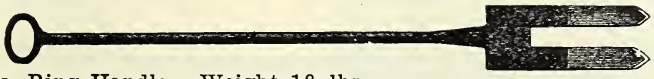
Unglazed Flower Pots

With or without saucers. Sizes 2 in. to 12 in.
Prices on application.

All Prices Subject to Change Without Notice

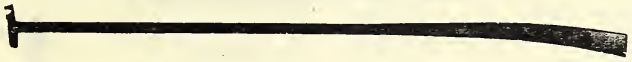
GIFFORD-WOOD CO. ICE TOOLS

No. 426. 4½ ft. Saw as above ..... Price $7.50
No. 427. 5 ft. Saw as above ..... Price 8.00



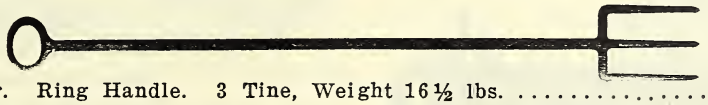
No. 443. Splitting Fork, Ring Handle. Weight 18 lbs. ..... Price 8.00
No. 457½. Calking Bar, Wood Handle. 1 in. diameter. (Not illustrated.) Weight 8 lbs. ... Price 4.50

No. 458. Bar or Packing Chisel. Steel Handle. Weight 15½ lbs. ..... Price 6.50
No. 460. Summer Bar. Curved Blade. Polished Handle. Similar to 458. **Weight 17 lbs. . Price 10.00**



No. 465. Starting Chisel. Weight 14½ lbs. ..... Price 6.25
No. 468. Socket Bar Chisel (Not illustrated.) Weight 10 lbs. ..... Price 7.50
Similar to 458, but with wooden handle.

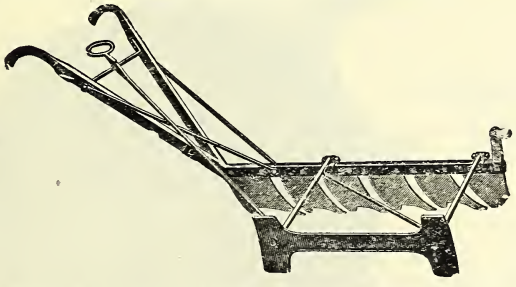
No. 476. Splitting Chisel, Ring Handle. Weight 14 lbs. ..... Price 5.00



No. 486. Needle Bar. Ring Handle. 3 Tine, Weight 16½ lbs. ..... Price 8.50

No. 500. Line Marker. Weight 2 lbs. ..... Price 2.25

Dairymen's Ice King Plows



No. 320—8 in., 5 Cutting and 1 Clearing Tooth with 14 to 22 in. Patent Adjustable Swing Guide.
Price $55.00

No. 321—10 in. 5 Cutting and 1 Clearing Tooth with 14 to 22 in. Patent Adjustable Swing Guide.
Price $60.00

No. 540 Boston Ice Tongs

13	in.	Price	$2.50
14½	in.	Price	2.55
16½	in.	Price	2.60
20	in.	Price	2.80
24	in.	Price	3.00
26	in.	Price	3.15

Ice Hooks

No. 520. Wood's 3 ft. to 18 ft. ... $1.60 to $5.50
No. 1300. Columbus, 3 ft. to 18 ft. . 1.85 to 4.50

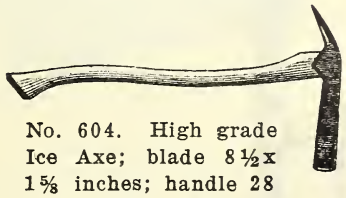
Ice Axes

No. 604. Boston Ice Axes ..... Price $3.30

Ice Hook Handles

3 ft. to 14 ft. ..... .30 to $2.50
No. 652. D Handle 4 Point Shaver .... Price 3.25
No. 667. D Handle 3 Tine Breaker ... Price 7.00

Boston Ice Axe



No. 604. High grade Ice Axe; blade 8½x 1⅝ inches; handle 28 in.; weight 4 lbs.

Price, $3.30

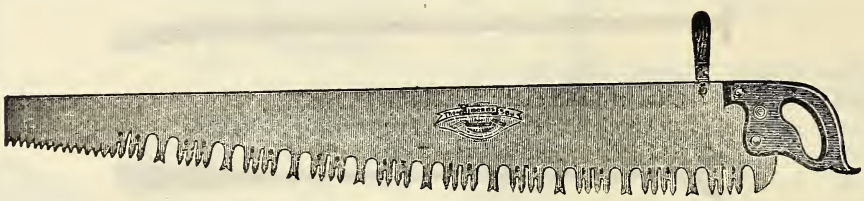
All Prices Subject to Market Changes

SIMONDS MFG. CO. GUARANTEED SAWS

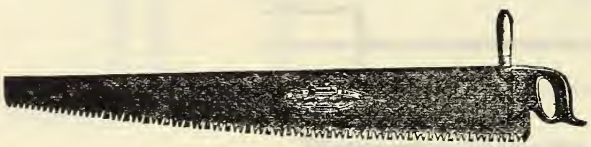
No. 325. Crescent Ground Cross Cut. Narrow Felling Saw. Lance Tooth.

No. 315. Crescent Ground Cross Cut. Narrow Felling Saw. Champion Tooth.
No. 22. Wide Cross-Cut Saw, otherwise same as No. 325.
No. 12. Wide Cross-Cut Saw, otherwise same as No. 315.

One Man Cross-Cut Saws



No. 222. Lance Tooth. 3½—4—4½ feet.

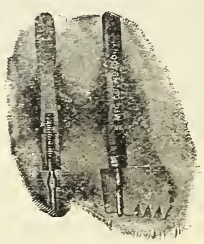


No. 111. Tuttle Tooth. 3½—4—4½ feet.

Simonds
Wood Saw Frames
Wood Saw Rods
Wood Saws Complete
Pruning Saws
Hack Saws

While we recommend the use of Simonds Warranted Circular Saws in every instance, we can furnish a lower priced Circular Saw, which with proper use will give good satisfaction. Prices quoted on application.

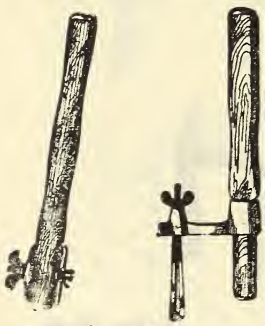
Cross Cut Saw Handles



No. 100

No. 22

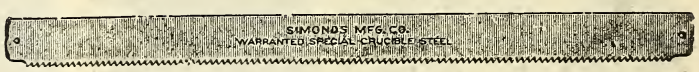
SIMONDS
Warranted Circular Saws
24 in., 26 in., 28 in., 30 in.
Bored for 1⅜ in. arbor.



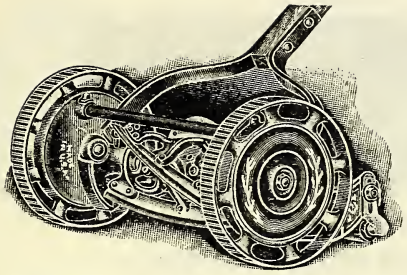
No. 111.

No. 55.

Wood Saw Blades 32 in. Long, Narrow and Wide, Fine and Coarse Teeth



All Prices Subject to Market Changes

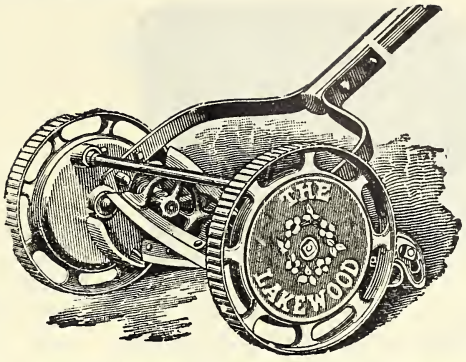


Superb

Superb is a strictly high-grade ball-bearing Lawn Mower. It is made of first-class material throughout and the workmanship and finish are unsurpassed. It has large driving wheels and fine cut gears, thus ensuring ease and quietness of running.

This Mower is furnished with patent double-edged bottom knife which is shaped like a piece of channel iron with two up-turned highly tempered edges.

22 in. cut



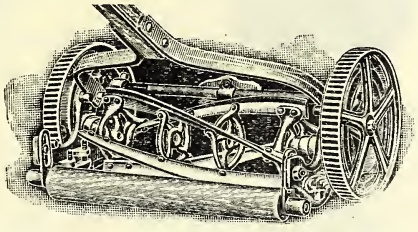
The Lakewood

This Mower we guarantee to be the best ball-bearing Lawn Mower, for the price, on the market. It has high wheels (9 inches), flat, steel sliding pawls in the ratchets, and large diameter revolving cutter (6 inches), furnished with four blades.

This Lawn Mower is equipped with our patent adjustable ball-bearings, the adjustment of which is accomplished by means of a single screw.

Prices: 16 in., $12.75; 18 in., $13.75.

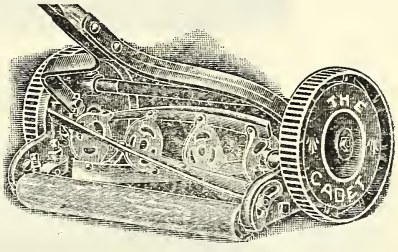
The Quality



This is a good Mower at a medium price for all ordinary work. The drive wheels are nine inches in diameter. The revolving cutter is 6 inches in diameter and has 3 crucible steel blades highly tempered and ground true their entire length. It is carried on our patented adjustable ball-bearings.

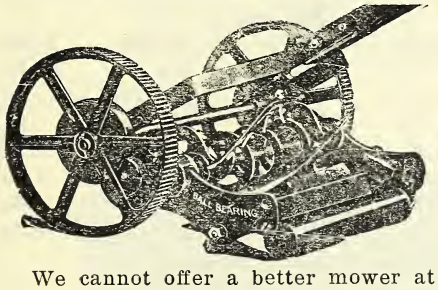
Prices: 14 in., $10.50; 16 in., $10.75; 18 in., $11.00.

The Cadet or Nipper



This is a good Lawn Mower at a medium low price and gives the purchaser full value for his money. It has brass bushings and the same ratchets and adjustments that are used on many of the high grade Mowers, and it is in every respect what is needed at the present time, viz., a Mower that will do good service and at a cost but little higher than the poor trash that is put out so freely.

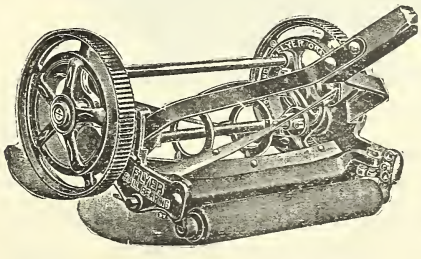
Prices: 14 in., $7.00; 16 in., $7.25; 18 in., $7.50.



Townsend's Victory

We cannot offer a better mower at any price. It has Ball Bearings of the very highest grade exact to ¼ of 1-1000 of an inch, which greatly reduces friction. Double Steel Ratchet, very swift and smooth in action, as well as exceedingly hard for durability. Triple Gear. Entirely enclosed, allowing no dirt or cut grass to find its way into the pinions or cogs.

Prices: 16 in., $20.50; 18 in., $22.50; 20 in., $24.50.



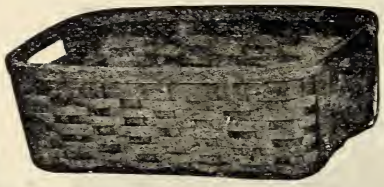
Townsend's Flyer

A splendid High-Grade Mower, at a little lower price than the "Victory." Ball bearings entirely enclosed. Adjustments very simple. Knives very hard and of the best steel.

Prices: 14 in., $12.50; 16 in., $13.75; 18 in., $15.00.

We make a specialty of GRASS SEEDS, and while we carry several grades from PURITY BRAND down, we always recommend the best, our PURITY BRAND.

All Prices Subject to Change Without Notice



Market Basket, Hole Handle

Ash Strapped Market Baskets, Hole Handle

	Length	Width	Depth	Price
No. 1	18 in.	10½ in.	6 in.	$0.65
No. 2	21 in.	12 in.	6½ in.	.75
No. 3	23 in.	13 in.	7 in.	.85

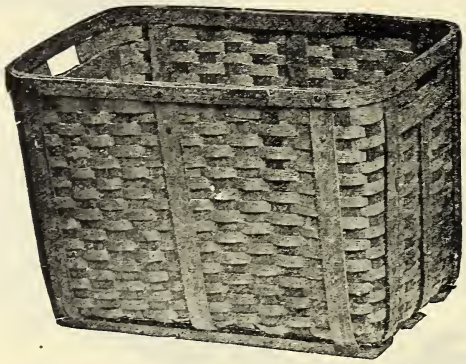
Ash Strapped Market Baskets, Bail Handle

	Length	Width	Depth	Price
No. 1	18 in.	10½ in.	6 in.	$0.75
No. 2	21 in.	12 in.	6½ in.	.85
No. 3	23 in.	13 in.	7 in.	1.00

Grocers' Counter Basket

Grocers' Counter Baskets

	Length	Width	Depth	Price
No. 1	17 in.	10½ in.	3½ in.	$0.50
No. 2	20 in.	12 in.	3½ in.	.55
No. 3	22½ in.	14 in.	3½ in.	.60



Ash Oblong Laundry Baskets

	Length	Width	Depth	Price
4 Bu.	30 in.	20 in.	17 in.	$4.50
6 Bu.	32 in.	22 in.	20 in.	6.90

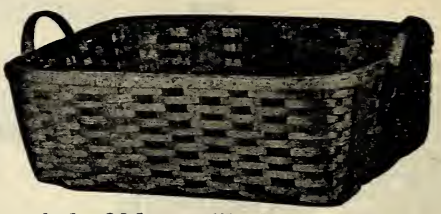
Ash Oblong Mill Baskets

Same construction as mill basket only heavier

	Length	Width	Depth
4 Bu.	30 in.	20 in.	17 in.
6 Bu.	32 in.	22 in.	20 in.

Ash Covered Hampers

No. 2. 17½ in. square, 26 in. deep. Price.. $3.25
No. 3. 21 in. square, 29 in. deep. Price 4.25



Ash Oblong Clothes Basket Loop or Hole Handles

	Length	Width	Depth	Price
No. 2	26 in.	16 in.	9 in.	$1.30
No. 3	28 in.	18 in.	10 in.	1.50
No. 4	30 in.	20 in.	10 in.	1.75
No. 5	32 in.	22 in.	10 in.	2.15

Oxford Baskets

Berry Baskets
All Styles and Sizes
Write for prices

Oxford Baskets

¼	Bushel	each	$0.60
½	Bushel	each	.75
¾	Bushel	each	.80
1	Bushel	each	.85
1¼	Bushels	each	1.35
1½	Bushels	each	1.50
2	Bushels	each	2.15
3	Bushels	each	2.50
4	Bushels	each	3.00

Ash Lunch Baskets with Cover and Double Bail

	Length	Width	Depth	Price
No. 2	10 in.	6½ in.	6½ in.	$0.70
No. 3	11½ in.	7 in.	6½ in.	.75
No. 4	14 in.	8½ in.	6½ in.	.90
No. 5	15½ in.	9 in.	7½ in.	1.10
No. 6	17 in.	10 in.	8 in.	1.20
No. 7	19 in.	11½ in.	8½ in.	1.50
No. 8	22½ in.	13½ in.	9½ in.	1.75

Oxford Clothes Baskets Oblong, Loop Handles

No. 1	Small	each	$1.60
No. 2	Medium	each	1.80
No. 3	Large	each	2.00

Ash Barrel Display Basket
Price, $0.60

Oxford Grocers' Baskets

½ Bushel block handle ..... each .75

All Prices Subject to Change Without Notice

Dinner Pails

No. 030 Heavy Tin, Tin Handle. About 3 Qt. **$0.90**
No. 040 Heavy Tin, Tin Handle. About 4 Qt. **1.00**
Medium Weight Tin, Wire Handle, About 3 Qt. With Plate .... **.35**
Ladies' Tin, Round Wire Handle with Plate ..... **.30**
No. 575 Oblong Heavy Tin, Wire Handle. About 4 Qt. **1.30**

Galvanized Basket. One Bushel
Price $1.15

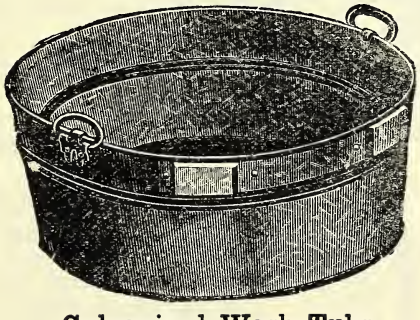
Galvanized Chamber Pail
12 Qt. Price ..$0.70

Galvanized Garbage Cans With Cover

No. 00 12x10 Pail Bail Handle.
Price $1.50
No. 03 14x14 Bail Handle.
Price $2.00
No. 077 14x20 Side Handles.
Price $2.50

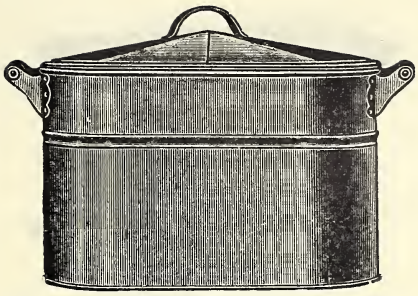
Galvanized Ash Cans

No. 18 18x26. Heavy. Drop Handles, Reinforced with Steel Ribs. **Price $4.00**
No. 50 18x26. Medium Drop Handles. **Price 3.15**



Galvanized Wash Tubs

No. 11	20½x17¾x10½	**$0.90**
No. 22	22¾x19½x11	**1.00**
No. 23	24½x21¼x11	**1.15**
No. A	14½x11 x 8	**.50**
No. B	15½x12¾x 8½	**.55**
No. O	18½x15 x 9	**.60**



Wash Boilers

Prices on Application

Galvanized Iron Water Pails

Light Weight

No. 102	10 Quart	each	**$0.30**
No. 122	12 Quart	each	**.30**
No. 142	14 Quart	each	**.35**
No. 162	16 Quart	each	**.40**

Medium Weight

No. 1312	12 Quart	each	**.40**
No. 1314	14 Quart	each	**.45**

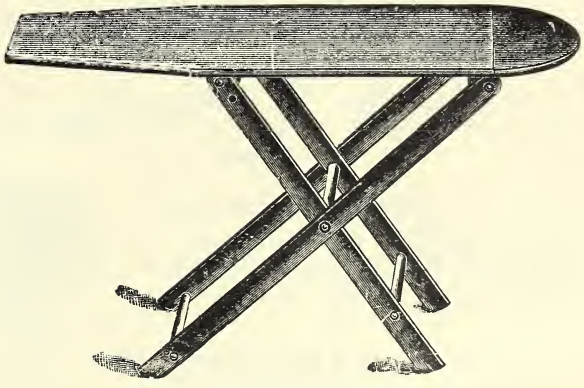
Heavy Weight

No. 510	10 Quart	each	**.50**
No. 512	12 Quart	each	**.55**
No. 514	14 Quart	each	**.60**
No. 516	16 Quart	each	**.65**

Mule Pail Medium Weight

No. 616	16 Quart	each	**.50**

WOODENWARE



Folding Ironing Table

No. 1	58x19, Cloth Top	each	**$4.00**
No. 2	54x16, Cloth Top	each	**3.75**
No. 3	54x16, Plain Top	each	**3.50**

Pastry Boards

16x22, each	**$1.35**
18x24, each	**1.50**
20x26, each	**1.70**

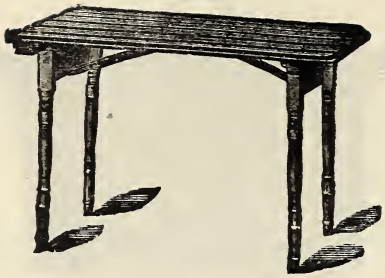
Bread Boards, with Rim

16x22, each	**$1.50**
18x24, each	**1.60**
20x26, each	**1.90**

Skirt Boards

4 ft., each	**$1.60**
4½ ft., each	**1.80**
5 ft., each	**2.00**

All Prices Subject to Market Changes

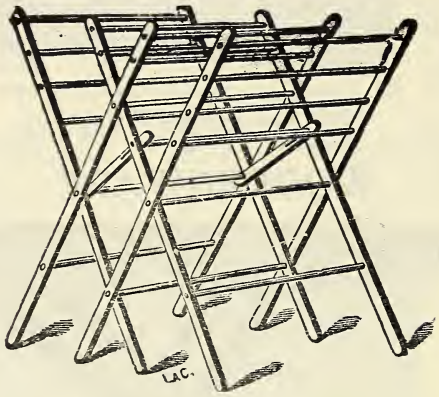


Folding Sewing Table

No. 000 36x19 ..... each **$2.80**
No. 00 36x19, with Castors ..... each **3.15**

Wood Bowls

11 in. **$0.35**
13 in. ..... **.75**
15 in. **1.10**
17 in. **1.75**
19 in. **2.25**
21 in. **3.00**



Spruce Clothes Horse

No. 3 Small, 40 feet drying space **$2.00**
No. 3½ Medium, 50 feet drying space **2.25**
No. 4 Large, 60 feet drying space **2.50**

LADDERS

Extension Ladders

20, 24 and 28 foot Ladders ..... **.45 per foot**
32, 34, 36, 38 and 40 foot Ladders .... **.50 per foot**

Common Ladders

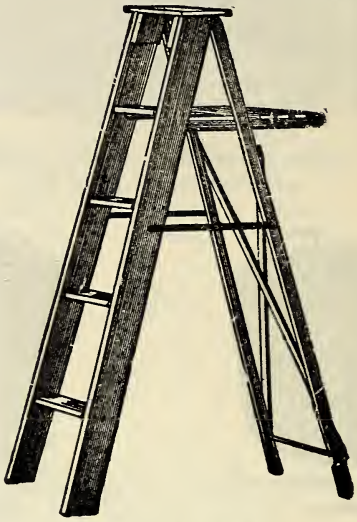
18 to 22 ft. .....per ft. **$0.35**

Apple Ladders

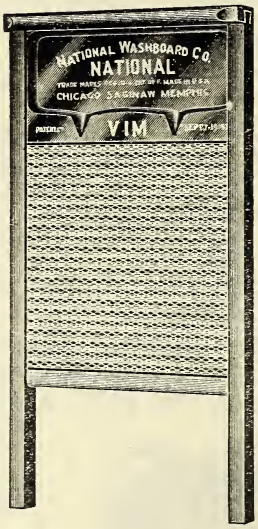
18 to 22 ft. .....per ft. **$0.35**

Step Ladders

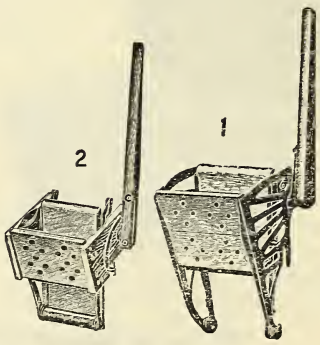
Paris, 3 to 10 ft. .....per ft. **$0.75**
Gem, 3 to 10 ft. .....per ft. **.65**



Washboards



No. 100 Northern Queen, perforated, duplex protector **$0.70**
No. 725 Naiad, perforated, spiral crimp ..... **.60**
No. 126 Ruby, plain crimp **.70**
No. 824 Silver King, special metal spiral crimp .. **.50**
No. 795 Junior, pail size, 8½x19, Globe crimp **.40**
No. 818 Little Darling, pail size, 7¼x16, globe crimp. **.20**
No. 862 White Hen Glass, spiral crimp ..... **.75**
No. 181 Vim Brass, peerless crimp ..... **.80**
No. 182 Vim Zinc, peerless crimp ..... **.70**
180 Vim Glass, spiral crimp ..... **.80**
No. 852 Roma Special Metal, plain crimp, double surface ..... **.50**



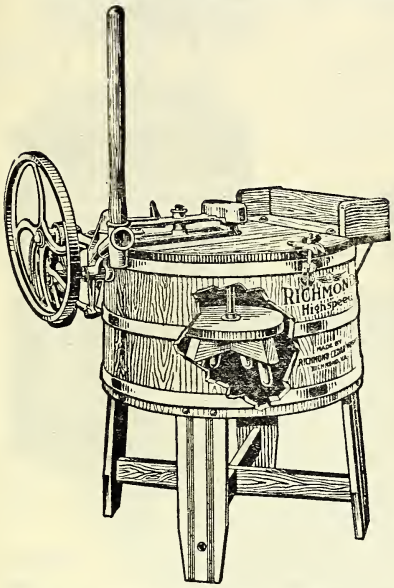
The White Perfection Mop Wringer

It is the most practical wringer made and will last from two to four times as long as any mop wringer made.

No. 1 Hotel size . **$3.50**
No. 2 Family size **2.25**
No. 3 Family size, Steel Frames **3.00**
No. 14 Family size, all Galvanized **3.50**

All Prices Subject to Market Changes

Richmond Highspeed Washing Machine



Richmond High Speed Washing Machine is fitted with well balanced fly wheel running on ten roller bearings and geared direct with cut tooth gears (all covered), which produces a mechanism with no dead center. Virginia white cedar tub, large flat steel hoops. **Shipping Weight, crated, 115 lbs.**
Price: $18.75

Lightning Washing Machine, a good first-class machine made of Virginia white cedar, finished in light gray paint. **Price, $9.25**

R. C. W. Water Motor Washing Machine is equipped with durable water motor. **Price, $26.00**

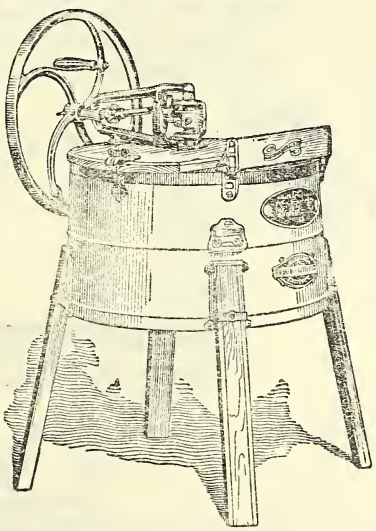
THE MAJESTIC
Rotary Washing Machine

Roller bearings. Virginia White Cedar Tub. Electric-welded Wire Hoops.

The best, most durable, and lightest running Rotary Washing Machine made.

The Majestic will wash overalls, blankets and heavy garments, or lace curtains and other delicate fabrics, perfectly and without injury.

Shipping Weight, Crated, 70 lbs.
Price, $14.00

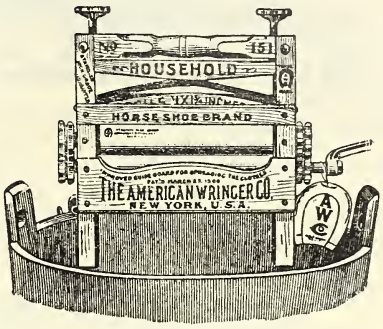


Round Oak Butter Boxes With Bail

4 Quart	each $0.75
8 Quart	each 1.00

Wringers

American Wringer Company's Celebrated Horseshoe Brand



Tub Wringers

Iron Frame—Plain Bearing

No. 100 Daisy 10 in., 1 year warrant	$3.25
No. 330 Relief, 10 in., 3 year warrant	5.00

Wood Frame, Plain Bearing

No. 100 Rival, 10 in., 1 year warrant	5.00
No. 340 E Universal. Reversible Board, 10 in., 3 year warrant. Enclosed Gears	6.25

Wood Frame, Ball Bearing

No. 380 E Universal, 10 in., 3 year warrant. Enclosed Gears	6.00
No. 381 Universal, 11 in., 3 year warrant	6.00
No. 361 Universal, 11 in. 3 year warrant. Reversible Board	6.75

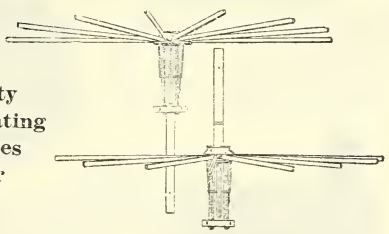
Bench Wringers

No. B380 E Universal, 10 in. 3 year warrant. Ball Bearing. Enclosed Gears	9.50

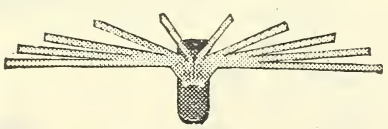
Wringer Rolls and Repairs

Wall Dryers

Beauty Elevating Clothes Dryer



Smith's Wall Dryer	$1.15
Beauty Wall Dryer	1.75
Burnell Adjustable Dryer	1.25



Smith's Wall Dryer

All Prices Subject to Market Changes

BROOMS, BRUSHES, ETC.

Our line of Brooms is a carefully selected one, especially in the better grades

Whisk Brooms

40 and 45 cents each

Nail and Vegetable Brushes

Gem Nails. Price	$0.10
Handy House. Vegetable. Price	.10

Postage Extra, .05.

Stove Brushes

No. 31 Price	$0.35
No. 41 Price	.45

Postage Extra, .05.

Window Brushes

No. 50	$0.65
No. 60	.75
No. 70	.85

Shoe Brushes

No. 7	$0.45

Counter or Dust Brushes—Set Bristles

No. 2	$0.55
No. 3	.60

Floor Brushes

No. 8	14 in. Set Bristle	$1.00
No. 12	14 in. Set Bristle	1.50
No. 14	14 in. Drawn Russia	2.50
No. 16	16 in. Drawn Russia	3.50
No. 18	18 in. Drawn Russia	4.00
No. 1	Imperial. 14 in.	1.10

Scrub Brushes

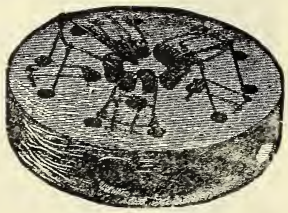
No. 3	White	$0.25
No. 90	Black	.20
No. 77	3 Row Rice Root	.20

Horse Brushes

Dandy ..... .30 to .80

Mouse Traps

Hold 'Em	$0.70
Dead Easy	.05
Five Hole Tin	.10
Four Hole Wood	.15



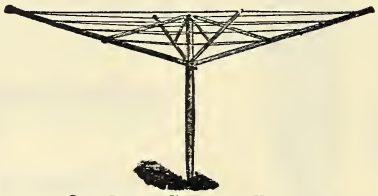
Erie Rat Trap

Rat Trap

Hold 'Em	$1.00
Erie	.40
Victor	.15

Outdoor Clothes Dryers

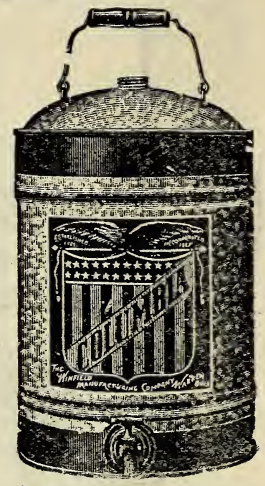
No. 1 110 ft. 4 Line	$8.00
No. 2 150 ft. 5 Line	8.75
Balcony	16.00



Outdoor Clothes Dryer

Galvanized Oil Cans

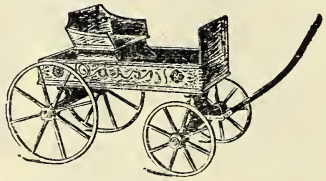
Gal. Home Rule Pump Oil Can



5 Gal. Columbia Faucet Oil Can

1	Gal. Polo with Handle and Bail	$0.40
2	Gal. Polo with Handle and Bail	.60
5	Gal. Columbia with Brass Faucet	1.30
5	Gal. Falcon with Iron Faucet	1.20
5	Gal. Home Rule Pump Can	2.20
5	Gal. Climax Pump Can	1.90
5	Gal. Red Gasoline with spout	1.00
5	Gal. Jacket Can	1.10
10	Gal. Jacket Can	2.00
1	Gal. Screw Cap Can	.25

Paris Manufacturing Company's Carts, Wagons, Wheel-Barrows, Frame and Clipper Sleds Baby Sleighs and Sled Boxes



Toboggans

Skiis

All sizes and styles quoted on application.

Full line of Paris Mfg. Co.'s goods in stock at all times

All Prices Subject to Market Changes

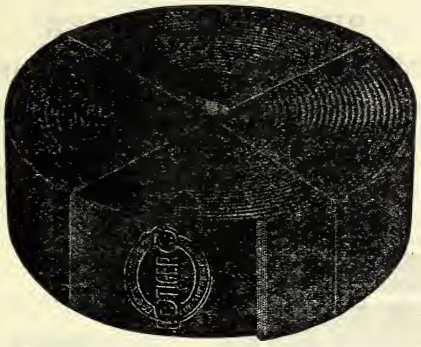
No. 0 Nesco Ash Sifter

An all metal sifter.

	Price
With cover	$1.55
Without cover ...	.80

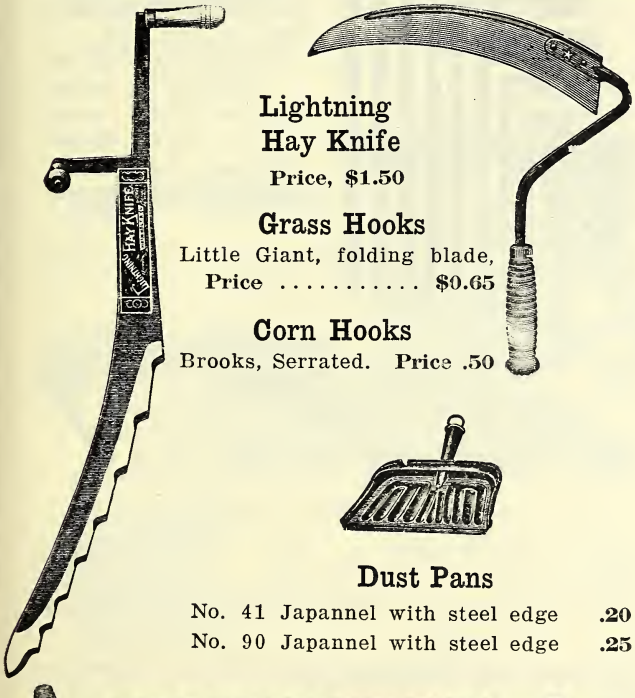
Champion Coal Sieves

Wood Rim with wood cover .....Price $1.20
Wood Rim without wood cover ..... Price .75



Rubber Belting
Prices Right.

Cut Lacings
Different Sizes.



Lightning Hay Knife

Price, $1.50

Grass Hooks

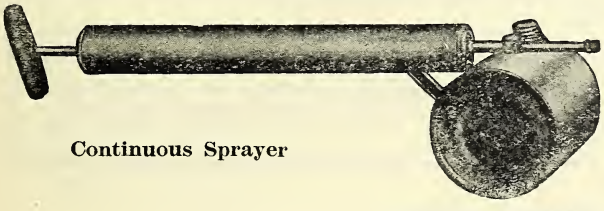
Little Giant, folding blade,
Price $0.65

Corn Hooks

Brooks, Serrated. **Price** .50

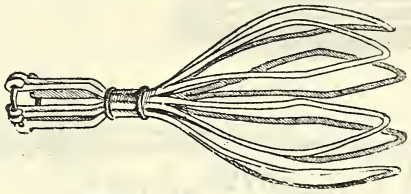
Dust Pans

No. 41 Japannel with steel edge	.20
No. 90 Japannel with steel edge	.25



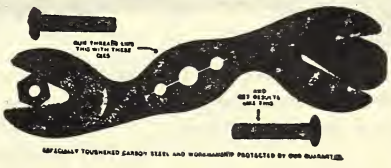
Continuous Sprayer

Machine weighs 6 lbs. Furnished with three tubes, 5 nozzles and strap. Distributes any dry powder. Dusts one or two rows. Reservoir holds nearly a quart of Powder. **Price** $12.00



Wire Fruit Picker

To attach to pole.

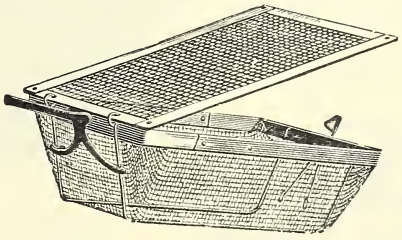


A Wrench and Thread Cutter. Frosted Nickel. Non-Rusting

This tool has more uses than any wrench on the market. A necessity on the farm, in every shop and household. **Price, $0.50; by mail, $0.55**

Lowell Hand Oil Sprayer

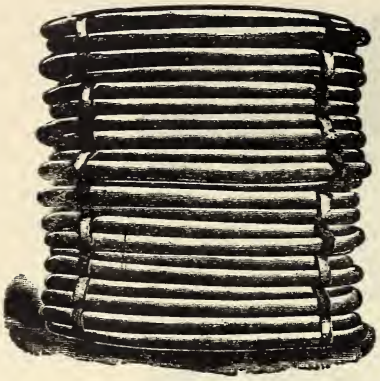
No. 112	All Tin	Price,	$0.55
No. 115	All Tin. Continuous	Price,	.95
No. 118	All Tin. Junior Size	Price,	.45



Common Corn Popper

1 Quart	$0.30
2 Quart	.40
2 Quart Extra Heavy	.45
4 Quart Extra Heavy	.75

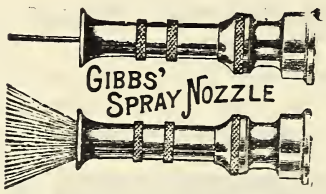
All Prices Subject to Market Changes



HISCO Rubber Garden Hose

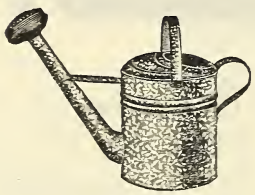
Moulded Pattern,
⅝ inch
Price .. foot **$0.16**

A favorite for years.
Has a removable screw tip which may be removed to produce a heavier stream.
Price ..... **$1.15; postpaid, $1.25**



Gibbs' Spray Nozzle

Positive Shut Off.
Few Parts.
Price **$0.90**
Postpaid **1.00**

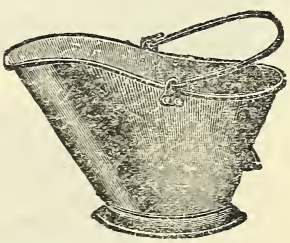


Galvanized Watering Pots

6, 8, 10, 12 and 16 qt. sizes
Prices on application.

Galvanized Coal Hods

No. 516 Small.
Price $0.60
No. 517 Medium.
Price .65
No. 518 Large.
Price .70

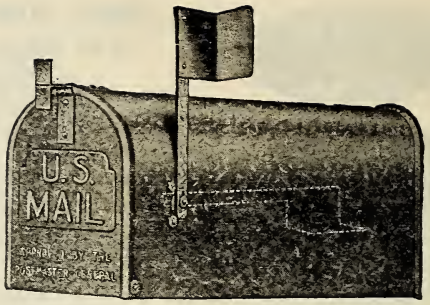


Axle Grease

Fraser's Small Tin Boxes **$0.30**
Fraser's 3½ lb. Tin Pails ..... **.65**
Snow Flake ..... **1 qt., .50; 2 qt., .85; 1 gal., $1.70**

Frank Miller's Harness Composition

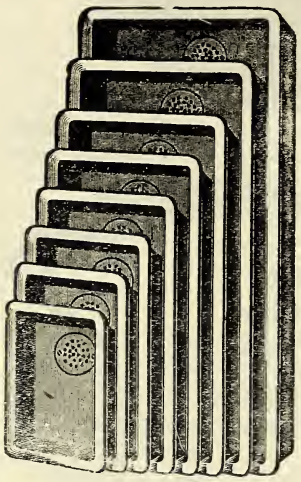
1 lb., Small **$0.25**
2 lb., Medium ..... **.50**
10 lb., Large **1.50**



RURAL MAIL BOXES

Conform to Post Office Requirements

Heavy gauge galvanized steel, aluminum bronze finish. Red signal flag. Opening door, hinged on bottom. Equipped with coin box inside. Length 18½ inches. Shipping weight 10 lbs. **Price $1.90**



Sinks

We carry the principal sizes of cast iron sinks, fitted for lead pipe.

2½	feet x 18	inches
3	feet x 20½	inches
3½	feet x 22	inches
4	feet x 24	inches
4½	feet x 24	inches

Prices on application.

Slaw and Kraut Cutters

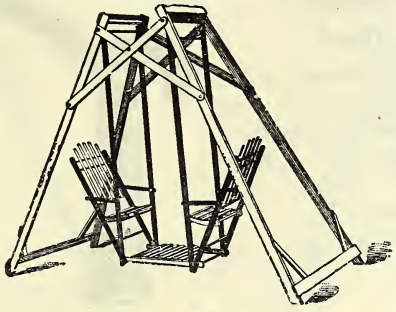
No. 622	Slaw 6 x 18 in. 2 Knife	**$0.75**
No. 643	Kraut 9x29 in., 3 Knife	**2.50**
No. 647	Kraut 13 x 40 in., 3 Knife	**6.50**

We make a specialty of GRASS SEEDS, and while we carry several grades from PURITY BRAND down, we always recommend the best, our PURITY BRAND.

All Prices Subject to Market Changes

Lawn Swings

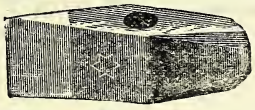
No. 6 Favorite, two passengers, each **$11.25**
No. 5 Fairfield, four passengers, each **12.25**



Picks, Mattocks, Etc.

Wood Choppers' Mauls

6 to 9 lbs.
Price, per lb. $0.20



Wood Choppers' Wedges

3½ to 6 lbs.
Price, per lb. $0.12

Short Cutter Mattock

Price, $1.00

Pick Mattock

Price, $1.00

Contractors' Pick

Price, $1.40

Railroad Pick

Price, $1.10

Saw Wedges

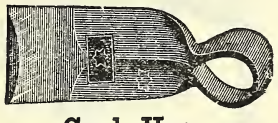
Price, per lb., .15 to .40

Axe Wedges

Price, ... .05, .10, .25

Long Cutter Mattock

Price, $1.00



Grub Hoe

Price, $0.90

Crowbars

12 to 18 lbs.
Price, per lb. $0.09

Axes

Hisco and Mountaineer in Maine, Half Wedge and Double Bit Patterns.

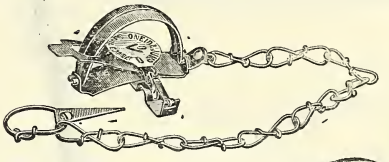
Can Openers

Never Slip	each,	.10
No. 17 Sargent	each,	.05
Home	each,	.10

Victor Game Traps

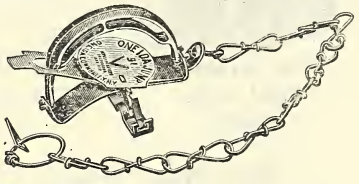
A reliable trap is as important to the trapper as a good gun is to the hunter. For the loss of one pelt often equals the cost of a whole season's traps.

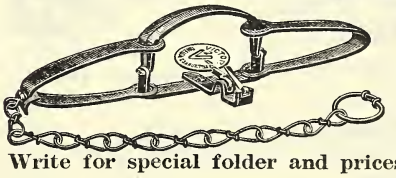
In the minds of trappers who have used various brands of traps, the Victor is conceded as holding first honors, for durability and general efficiency, all things being taken into consideration.



VICTOR
No. 0
No. 1
No. 1½

ONEIDA JUMP
No. 91. The ideal trap for skunk.





VICTOR
No. 2. The fox and raccoon trap.

Write for special folder and prices.

Lightning Fruit Jar Opener

Price, $0.10

98 Turntable Apple Parer

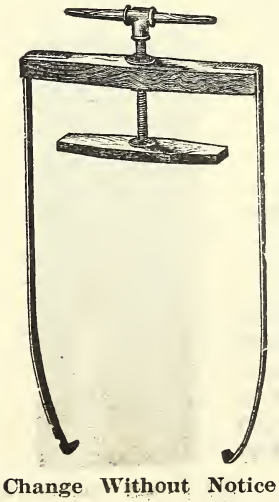
Price, $1.35

White Mountain Apple Parer Corer and Slicer

Price, $1.20

Egg Beaters

No. 5 Holt's	$0.25
No. B Holt's Hotel size	.30
Lyons	.40



Barrel Headers

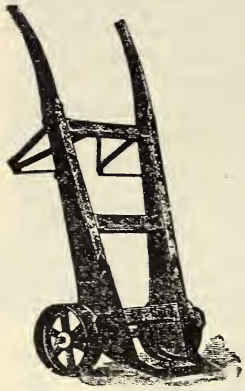
A simple contrivance, but indispensable for putting heads in barrels after being filled with apples and other produce. Price, 1 inch screw **$2.50**

Imperial Harness Snaps

Full line of Square, Round, Swivel and Open Eye Styles in both tin plate and imitation rubber.

All Prices Subject to Change Without Notice

TRUCKS, ETC.



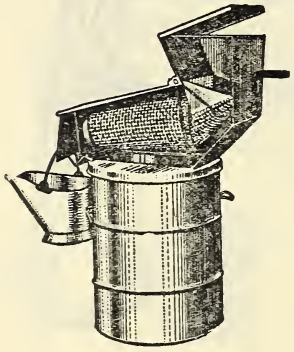
Half Strapped Steel Nose Trucks

Eureka Barrel Truck

Steel Nose Trucks Boston Pattern

Built for heavy service.

1 B Small, half strapped	$8.00
2 B Medium, half strapped	9.50
3 B Large, half strapped	11.75
Eureka Barrel Truck	4.25
Dandy Bag Truck, no legs	5.50



Revolving Dustless Ash Sifters

Prices on application.

Highley's King of Pruners Both Self-Holding and Non-Holding

Never any danger of receiving shock by crossing electric wires, as they are operated by a cord running the entire length of pole.

12 ft. Self-Holding	$1.60
14 ft. Self-Holding	2.00
16 ft. Self-Holding	2.00
12 ft. Non-Holding	1.15
14 ft. Non-Holding	1.25
16 ft. Non-Holding	1.40

Telephone Pruner Head

Made to attach to any pole. Are heavier than the regular tree pruners.

Price, each	$1.15
Postpaid	1.30
Extra Knives	.15
Extra Springs	.15

Rockdale Pruners

No. 35 26 in. Price $1.45

No. 38 41 in. Price 1.85

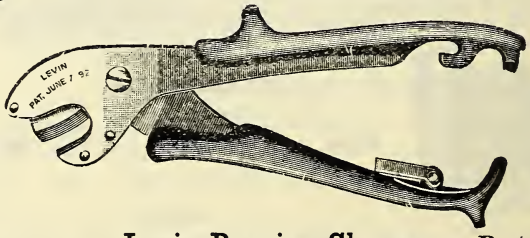
Iwan Post Hole Auger

8 inch $3.00

Standard Tree Pruners

Very useful for trimming trees, and cutting down moths' nests.

	Price
8 ft.	$2.00
10 ft.	2.20
12 ft.	2.35
14 ft.	3.00
16 ft.	3.00
Knives	.20
Springs	.10



Levin Pruning Shears

	Postpaid
No. 23	$0.75
No. 24	.85

Secor's Weeding Hook

Price, .20

Postpaid, .25

All Prices Subject to Market Changes

Pruner Shears. (California Pattern)

Japanned. **Price, $0.95, postpaid**
Nickeled. **Price, $1.65, postpaid**

Clyde Draw Cut Pruner

The most powerful pruner made.
24 in. **$3.60**
Sure Clip Grass Shears ..... **.50 postpaid**

Hazeltine Hand Weeder

By far the best and most practical Weeder for all kinds of vegetables and flowers ever invented. Especially adapted to the weeding of Onions and Sugar Beets. It pays for itself every hour it is used in the home or market garden. **Price, .50; postpaid, .60**

Foot Warmers

More commonly known as soap stones.

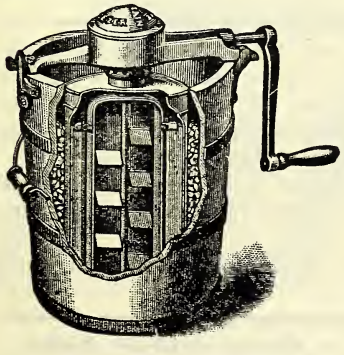
Price, 6x 8 ..... **$0.45**
Price, 7x 9 ..... **.50**
Price, 8x10 ..... **.60**

White Mountain Ice Chipper

Price $0.65; Postpaid, $0.75.

White Mountain Freezers

The most popular freezer used in this section. Positive triple action.



1 quart ...	**$3.00**
2 quarts ..	**3.50**
3 quarts ..	**4.25**
4 quarts ..	**5.00**
6 quarts ..	**6.35**
8 quarts ..	**8.25**
10 quarts ..	**11.00**
12 quarts ..	**13.00**
15 quarts ..	**15.50**
20 quarts ..	**20.00**
25 quarts ..	**25.75**

Wood Measures

1 qt., .35 2 qts., .40 4 qts., .65
8 qts., 85 ½ bushel, $1.85
Nest of five sizes **$3.65**

Norcross Cultivator Hoe

5 Prong 4-ft. Handle ..... Price **$1.25**
3 Prong 4-ft. Handle ..... Price **.90**

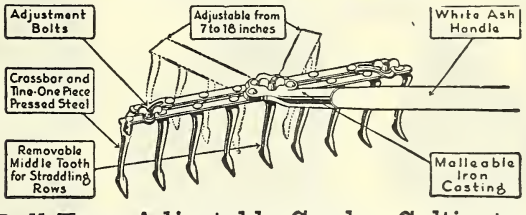
"Norcross" Midget Weeder

For Flowers, Shrubbery and Garden.

Quality and Finish same as Cultivator-Hoes
Weight 12 oz., 9 in. Handle ..... **Price, $0.50**
Postpaid, .60

Asparagus Knife

Drop Forged Blade, excellent not only as an asparagus knife, but the "best ever" for digging Dandelions and other weeds. **Price, $0.40; Postpaid, .45**

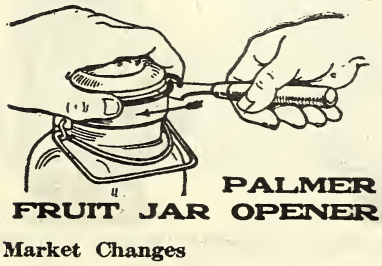


Pull-Easy Adjustable Garden Cultivator

4½-Foot Handle **$1.35**

If you don't own a Garden Seeder and Garden Cultivator and are doing any gardening at all don't lose any time in calling on us and see what we have to offer you in the way of seeders, cultivators, etc. You don't have to do a very large amount of gardening to save the price of one of these tools.

Palmer Openers for Glass Top Fruit Jars



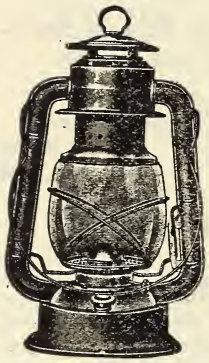
Don't Break Your Jars
Prevent Wounded Hands
Don't Break Your Knife
Don't Damage Your Rubber
Once Used, Always Used
Price .15 postpaid

All Prices Subject to Market Changes

DEITZ LANTERNS AND GLOBES

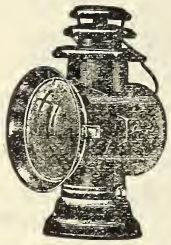
No. 2 Blizzard Cold Blast

No. 2 Blizzard	$1.40
No. 2 Special Blizzard with large fount	1.55
No. 0 Wizard Cold Blast. Short Globe	1.10
No. 2 D-Lite Cold Blast. Short Globe	1.40
No. 2 D-Lite Cold Blast. Short Globe and Large Fount .	1.55
No. 15 Emperor Dash. Hot Blast Bulls Eye Globe	1.50
No. 17 Sterling Dash. Cold Blast. Bulls Eye Globe	1.50
No. 30 Cold Blast. Search with Bulls Eye Globe	3.25
No. 60 Cold Blast. Mammoth Search. Plain Globe ...	9.50
Roadster Cold Blast. Side Lamp	1.90
Pioneer Street Lamp	7.85
Eureka Driving Lamp	1.85
Octo Driving Lamp	4.00
No. 0 Monarch Hot Blast	.90

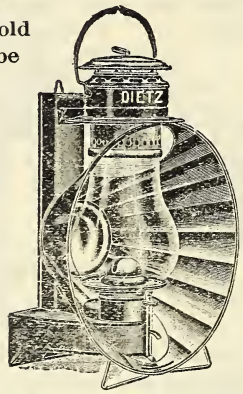


Wizard Lantern Cold Blast. Short Globe

Dash Clamp Holder

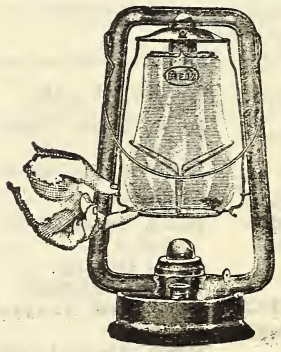


Octo Driving Lamp

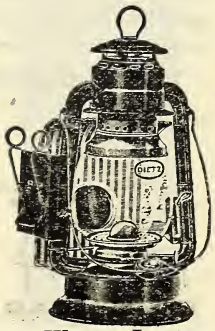


Mammoth Search Light Cold Blast

Eureka Driving Lamp



No. 0 Monarch Hot Blast

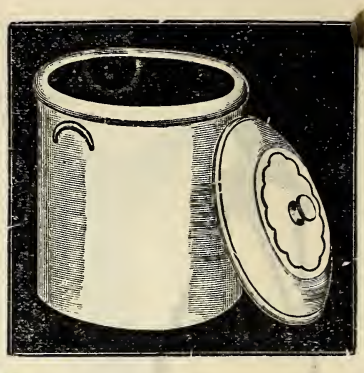


Roadster Wagon Lantern

Stoneware

Jars Complete With Covers

1	Gallon	$0.65
1½	Gallon	.75
2	Gallon	.95
3	Gallon	1.40
4	Gallon	1.70
5	Gallon	2.15
6	Gallon	2.45



Stone, Meat or Pork Tubs

Without Covers

8	Gallon	$2.45
10	Gallon	3.00
12	Gallon	3.65
15	Gallon	5.25
20	Gallon	7.00
25	Gallon	10.00
30	Gallon	12.00
35	Gallon	16.90
40	Gallon	20.00

Stone Jugs

½	Gallon	$0.25
1	Gallon	.40
2	Gallon	.75
3	Gallon	1.15
4	Gallon	1.50
5	Gallon	2.00

Bean Pots

1	Quart	$0.35
2	Quart	.40
3	Quart	.45
4	Quart	.50
6	Quart	.60
8	Quart	.75

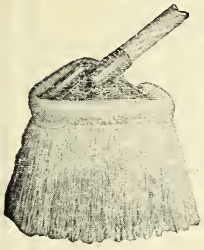
McGraw Tires uniformly yield full mileage because they are uniformly perfect in build. The Duplex Method, a McGraw process of vulcanizing, prevents defects such as mold pinches and buckles,—invisible flaws which are a menace to tire service.

You get all the mileage of which quality materials are capable at their best, and you get it without appreciable variation.

McGraw Tires wear out—eventually. But they don't give out.

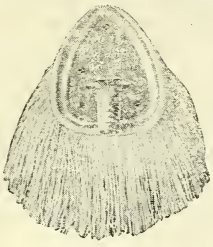
All Prices Subject to Change Without Notice

O-Cedar Polish Mops
A Better and Easier Way to Clean



Triangular Polish Mop

Battleship Polish Mop



Cleans and polishes at the same time, putting a high, lasting lustre on all varnished surfaces. There is nothing to equal the O-Cedar Polish Mop for polishing floors, linoleum, etc. Gets down into the corners, gets the dust under beds, heavy furniture, radiators, etc. The mop is padded and cannot scratch or mar the furniture.

The only polish mop that can be successfully washed and cleaned and renewed. **Prices:**

No. 3	Large Triangle O-Cedar Polish Mop ..	**$1.50**
No. 4	Small Triangle O-Cedar Polish Mop ..	**1.00**
No. 10	Battleship O-Cedar Polish Mop	**1.50**
No. 11	Battleship O-Cedar Dry Mop	**1.50**

O-Cedar Polish

A Wonderful Varnish Food

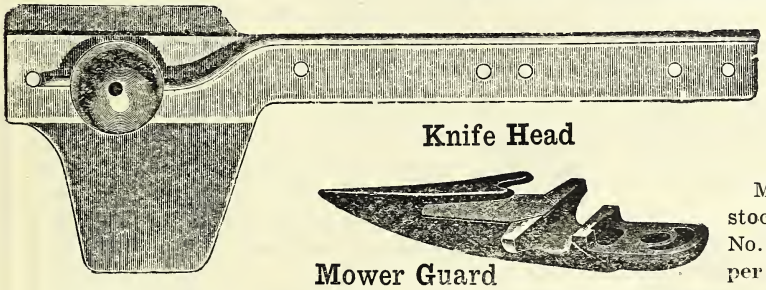
For cleaning and polishing floors, furniture, automobiles, etc. O-Cedar is by far the most economical furniture polish as it is used with water. Puts on a high, hard, lasting lustre, and does not leave a bluish cast and gummy surface. It contains no grease, mineral by-products or benzines.

Every ingredient of O-Cedar Polish is a pure vegetable substance. Positively will not ignite. It is easy to use. Very little rubbing is required.

O-Cedar Polish is well and favorably known and is widely advertised in connection with the O-Cedar Polish Mop.

Price: 4 oz. Bot. $0.30 **Price: 1 qt. Cans $1.25**
Price: 12 oz. Bot. .60 **Price: 1 gal. Cans $3.00**

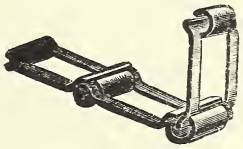
REPAIRS AND PARTS



Knife Head

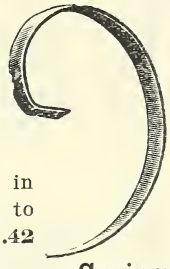
Mower Guard

Guard Bolts and Guard Plates for all Guards, Knife Heads, Sections, Rivets, etc., all guaranteed to fit the machine for which they are intended.



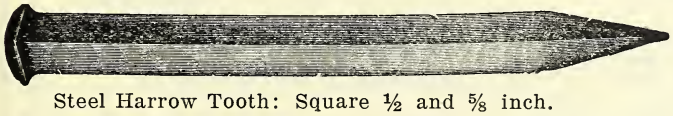
Link Belt Chain

Malleable and steel. Sizes in stock all the way from No. 25 to No. 62. **Prices from .23 to .42** per foot.



Spring Harrow Tooth

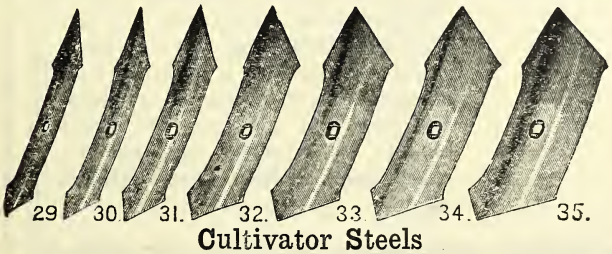
Cold Chisel: Prices ½x6 .....**.15, postpaid .20**
Cold Chisel: Prices ⅝x6½ ....**.20, postpaid .25**



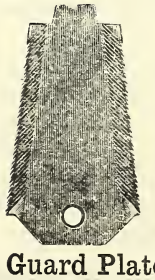
Steel Harrow Tooth: Square ½ and ⅝ inch.

Mower Knife

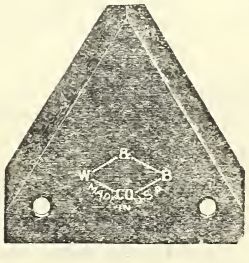
Drive Punch: ¼x6 ..... **.15, postpaid, .20**



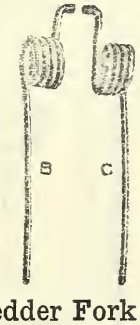
Cultivator Steels



Guard Plate



Section



Tedder Fork

Notice—In ordering repairs always give name of machine and number of old part. When the number or letter cannot be found, it is always best to send, by parcel post or express prepaid. the old or broken part, thus avoiding mistakes or delays.

HISCO OILS

HISCO Medium Auto Oil — This is a motor oil of medium body universally adapted for general automobile use, will give good compression and wearing qualities, and is free from carbon.

HISCO Heavy Auto Oil — This oil is of heavy body, superior for cars or trucks which have been in use for some time, and will greatly increase the compression and effective work of the engine. This oil is a fine lubricator and economical in use.

HISCO Light Auto Oil — This oil is a motor oil, light in body, for new cars and for all motors having tight compression, and will be entirely satisfactory to customers desiring an oil light in body for motor use.

HISCO Ford Special Oil — This is the Model T Ford Oil especially adapted for the Ford car, and as indicated by its name will give fine results, good wearing qualities, freedom from carbon, and is for oil what the name "Ford" indicates for a car.

Monarch Truck Oil — This is an Underhay Oil adapted for truck use, medium in body, will stand a low cold test, give good compression, and is of great wearing qualities, adapted for the rugged and hard work experienced by a truck.

HISCO Dark Steam Cylinder Oil — This is a steam cylinder oil for stationary and portable steam engine use, from the best refined stock, compounded to meet steam conditions, and is in every way guaranteed satisfactory for general steam use.

Excellene Medium Auto Oil — This is also an Underhay Special and cannot be too highly recommended by us. It is from Appalachian crude, carefully filtered, with high wearing qualities, low cold test, and once used customer will have no other quality.

HISCO Amber Separator Oil — This oil is for cream separator use, and is very light in body to meet the conditions of a separator.

HISCO Red Engine Oil — This is a lubricating oil of good body, free from gum or sediment, of proper quality to lubricate general engine or shafting bearings, mowing machines and all other farming tools.

HISCO Tractor Oil — This is a tractor oil especially manufactured for general tractor use, and is eminently adapted for the Chase or other tractor engines. This oil has a high flash and fire test necessary for the rugged work of a tractor, and will hold its body well under the extreme heat of operation. It is universally used for tractor lubrication.

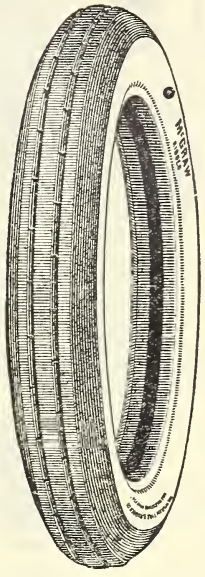
HISCO Paraffine Oil — This is an amber oil light in body, especially for use in laying dust on floors, very light lubrication, or for any other use where an oil of light body and low price is needed.

Cup Grease — This is a superior yellow Cup Grease, medium in consistency, for use in cups on the engine, spring ends, and elsewhere about the automobile and truck, also for any engine room use where a grease is needed in a compression cup.

Monarch Gear Compound — This is a product carefully refined and manufactured according to government specification for use in the transmission and differential gears of automobiles and trucks. It is a good lubricator and will not deteriorate in use like a yellow transmission grease. It is very adhesive and will not give the usual trouble in running through the shaft ends. Once tried, always used.

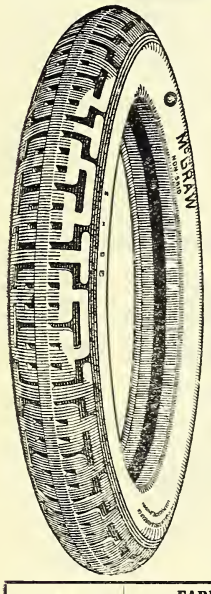
McGRAW FABRIC and CORD TIRES

When you buy tires you want dependable service, not phenomenal mileage once in a while, but four good tires out of four. You do not want to bargain for mileage by adjustments, you want Assured Service. McGraw Tires constructed of high grade material and structurally right, because of the Duplex Method, afford freedom from uncertainty and permit you to feel as confident of your tires as of your motor. They deliver the full mileage expected and yield only to Accident and Abuse.



THE DUPLEX METHOD AND WHAT IT DOES

If mileage depended solely upon material, every high grade tire would deliver six, eight or even ten thousand miles. Mileage comes from right materials and proper Construction. The Duplex Method is the McGraw process of vulcanization which prevents fabric buckles and mould pinches, the menace of tire life. Compression of the tire in the vulcanizing mould is deferred until the rubber becomes heated and plastic. Then when hydraulic pressure is applied to vulcanize the tire, the rubber is not stiff enough to pull out of place. Fabric layers set smooth, no creases form, pinches and buckles are avoided. The tire is a perfect structure.



TUBES

The same careful construction and high grade materials which make McGraw tires second to none are found in McGraw Tubes. Both the Red and Gray brands are thick, tough, and non-deteriorating, and are carefully vulcanized to preclude the possibility of pin holes or slow leaks. Both are carefully packed in cartons and reach the consumer in perfect condition. For the motorist seeking the right tire equipment we recommend McGraw Tires and Tubes, confident that they will give satisfaction in every respect.

GUARANTEE

McGraw fabric tires are guaranteed for 6,000 miles, cords for 8,000, against mechanical and material imperfections. Any McGraw tire failing to render the guaranteed mileage under normal conditions will be promptly adjusted on basis of obtained mileage, when returned to us transportation charges prepaid.

SIZE	FABRIC Ribbed or Non-Skid	CORD Ribbed or Non-Skid	GREY TUBE
30x3	$10.95	....	$2.15
30x3½	13.75	$18.00	2.55
31x4	21.35	....	3.45
32x3½	19.15	25.50	2.90
31x4	....	29.40	...
32x4	24.95	32.40	3.55
33x4	26.30	33.40	3.70
34x4	26.85	34.25	3.90
32x4½	33.40	41.90	4.50
33x4½	34.50	42.85	4.65
34x4½	35.65	43.90	4.75
35x4½	37.30	45.20	4.80
36x4½	37.80	46.15	5.05
33x5	42.00	52.15	5.55
35x5	44.50	54.75	5.80
37x5	47.20	57.60	6.05
36x6	....	78.05	9.05

DEALERS

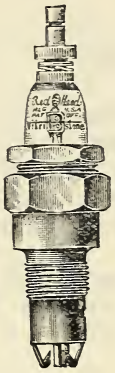
In a National advertising campaign the public is being told of McGraw Tires and Tubes, of their quality, construction, and exceptional performance. Motorists are going to want them, they are going to look for the McGraw Dealer. Do you want these new customers? If you do, if you are interested in increasing YOUR profits, in obtaining NEW business which will be permanent, write us for the McGraw proposition. NOW.

O-Cedar Polish is a wonderful varnish food for cleaning and polishing automobiles. It contains no grease or benzine."

A Red Head Spark Plug for Every Make of Car

"The Kind with the VITRISTONE Insulator"

Big Boy
½ inch



Big Boy
½"—½ Ext.

Ford
Long Body
½ inch

Big Boy
⅞"-18
(S.A.E.)

Big Boy
⅞"-18
½" Ext.
(Buick)

RED HEAD "BIG BOY" PLUGS

An ideal plug for all motors particularly hard on spark plugs, where extremes of heat, compression and vibration are encountered, having an extra large Vitristone insulator, heat treated steel shell and a big steel bushing with wide gripping surfaces.

Standard package: Each "Big Boy" Plug packed in a heavy paper carton, weight about 6 oz. 10 "Big Boy" Plugs packed in a lithographed paper carton, weight about 4½ lbs.

½" Standard, ½" - ½" Extension and Metric $1.25

⅞", ⅞" - ½" Extension

RED HEAD SPARK PLUGS FOR FORD CARS

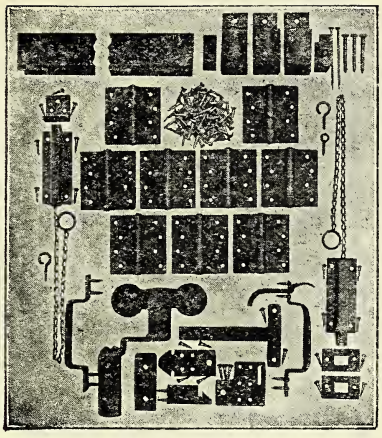
The Ford requires a spark plug especially designed to suit the engine. The Red Head long body plug for Ford was specially designed by a Ford Engineer. This plug has an extension above the threads, which makes it possible to readily get at the plug with an open end wrench. Has Vitristone Insulator.

Long Body for Ford . . . . . $ .75

Red Head Spark Plugs and McGraw Tires—The Ideal Combination

All Prices Subject to Change Without Notice

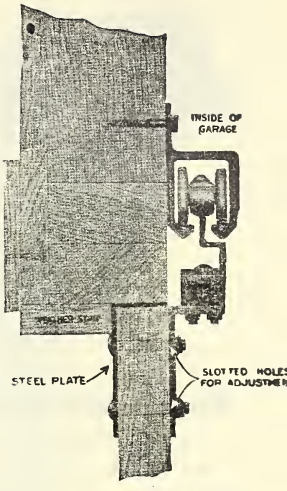
Straight-Away Garage Door Hanger



A Practical Outfit

"Straight-Away" is easily and quickly installed. It is made to fit standard doors. In the carton all parts and screws are **separately packed and marked where they are to go.** No possibility of making a mistake. You, yourself, can install it in an incredibly short time.

Its **straight** track does away with extra labor and extra cost where a supporting arm is required. And it permits of saving of space, because the doors are **Folding-Sliding.** The **Offset-Swivel**—an exclusive Porter feature—insures a perfect fit of doors against jamb and weather-strip. No possible chance for a "Straight-away" outfit to sag, spring or bind. Slotted holes in the hanger plate make it easily and quickly adjustable to unevenness in floor, etc.



What the Set Includes

The **"Straight-Away"** Garage Door Set contains everything necessary for you to immediately install it. Note that no brace timbers are required as the track is **straight** throughout its length.

The set is designed primarily for standard doors, 2 ft. 8 in. x 8 ft., these filling the regular width opening of eight feet.

The complete set includes:

6 feet of Porter "Double-V" Door Track.

Also a neat carton containing:

The **"Straight-Away"** Hanger with adjustment arm and plate.

2 Chain Latches complete.

2 Door Pulls; one with latch and special blind hasp for padlock.

2 "Double-V" End Brackets for track.

1 "Double-V" Center Bracket for track.

9 Butts Hinges

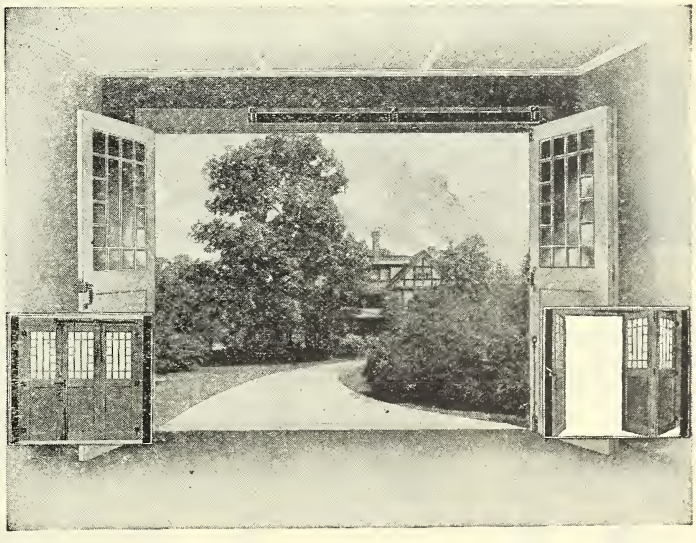
All complete, with lag screws, wood screws, etc.

Porter Straight-Away Garage Door Set Weather-Proof

The "Straight-Away" set makes the three doors, when shut, fit perfectly against the jambs. A weather-proof job. Every door is firmly locked. And every door keeps rigid alignment whether closed or open.

Opens Inwardly

With the "Straight-Away" the three doors open inwardly. The insert picture on right hand side shows how the single door can be used as an entrance and how the double doors slide and swing to make available the maximum opening of the doorway.



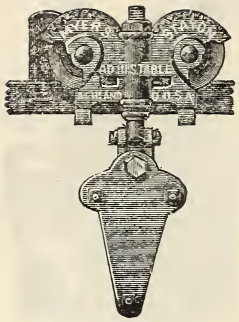
Write for Prices

REFRIGERATORS

We handle the unexcelled line of White Mountain and Pilgrim Refrigerators and can recommend these most strongly to anyone desiring this article.

If interested let us mail you illustrated catalog giving complete description and sizes of the different styles, also price. **Buy a refrigerator that will satisfy you.**

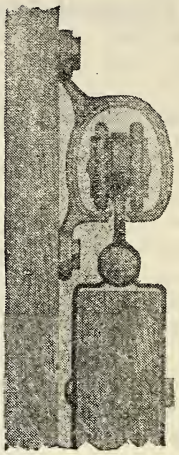
BARN DOOR HANGERS



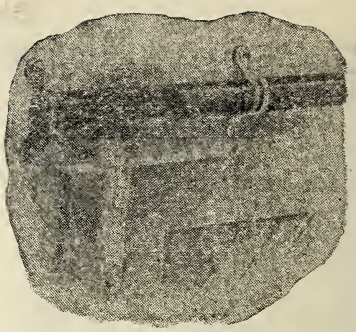
The Myers Adjustable Tandem Stayon Flexible Door Hanger with Steel Roller Bearings

This hanger can be adjusted perpendicularly so as to locate the door at any point above the ground desired. Also to adjust the door to or from the building.

No. 3. Price . . **$1.85 per pair**
Flat Steel Track . **.10 per foot**
4, 6 and 8 foot lengths.



"Whirlwind" End View of Hanger—No. 6



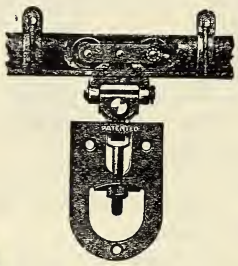
PORTER "WHIRLWIND" BARN DOOR HANGER—No. 6

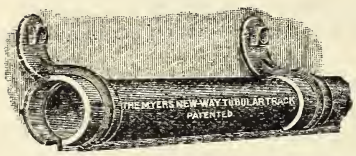
This Whirlwind Hanger itself is very compact, it is ball-bearing throughout. The wheels are made of hardened steel and each runs upon twenty-four balls. The track is in the form of an ellipse, with one end flattened so as to provide a level surface upon which the wheels run.

No. 6 Whirlwind Hanger. Per set **$1.25**
Intermediate Brackets. Per doz. ..... **.90**
Whirlwind Track. Per foot ..... **.12**

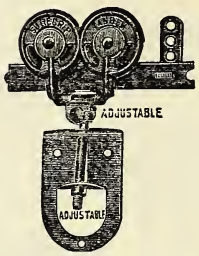
Myers Giant Adjustable

Tandem Door Hanger For Tubular Girder Track Adjustable to and from Building and to Raise and Lower the Door





No. 15. Giant Tubular Hanger .... **$2.25 per pair.**
Giant Tubular Track ..... **.27 per foot.**
Intermediate Brackets .... **2.00 per doz.**
End Brackets ..... **2.00 per doz.**

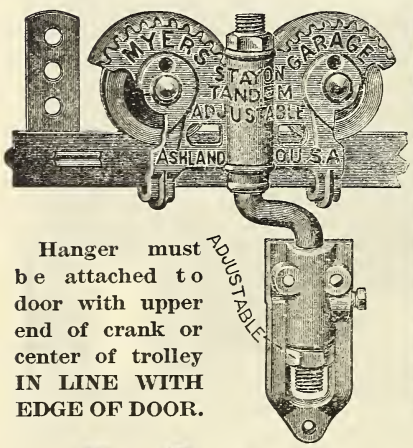


Myers Sure Grip Tandem Adjustable Door Hanger

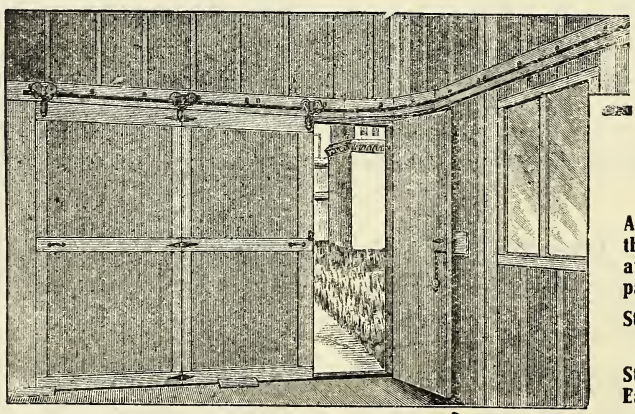
The perpendicular and lateral adjustments are made with an ordinary wrench, and at the will of the user. Runs on same style track as the number 3 and 25 Hangers.

No. 5. Sure Grip Hanger. Per set, $1.75

Myers Right Angle Garage Door Hanger



Hanger must be attached to door with upper end of crank or center of trolley IN LINE WITH EDGE OF DOOR.



Malleable Iron Frame

Unusual Strength

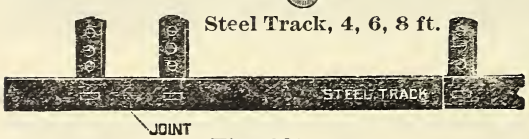
Wheels Completely Covered

Adjustable to and from the building and up and down by means of patented crank.

Stayon Feature—Can't Come Off the Track

Steel Roller Bearings—Easy to Push and Pull.

Fig. 1793



Steel Track, 4, 6, 8 ft.

Fig. 860

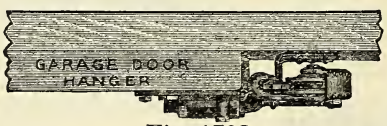
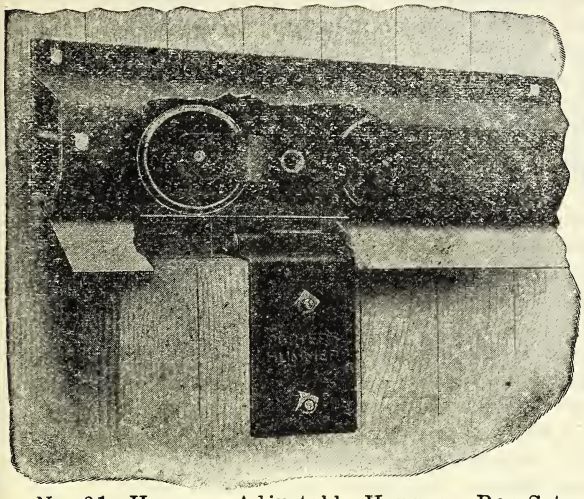


Fig. 1702

Radius of this Curve not less than 30 inches

PRICE LIST—One Set of 3 in a Carton

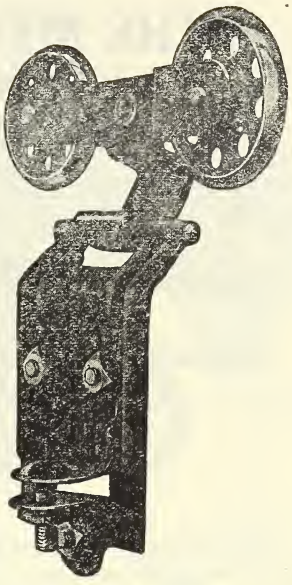
No. 25, Myers Adjustable Tandem Door Hanger, complete with bolts. Per set of 3, ... **$2.50**
Myers O. K. Steel Track, in 4, 6 and 8 ft. lengths. Per foot ..... **.10**



Porter's Hummer Tandem Adjustable Barn Door Hangers

Wheels are 2¾ inches in diameter, made of superior gray iron and run on roller bearings. This hanger has a vertical adjustment of ¾ inch.

Hummer one-piece track is made of No. 14 gauge high carbon steel, is waterproof, bird-proof, storm-proof and self-cleaning.



No. 21. Hummer Adjustable Hanger. Per Set $2.25
Hummer Steel Track. Per Foot ..... .34
6, 8 and 10 foot lengths.

GIBRALTAR PORTABLE PLATFORM SCALE

Single Beam with Wheels

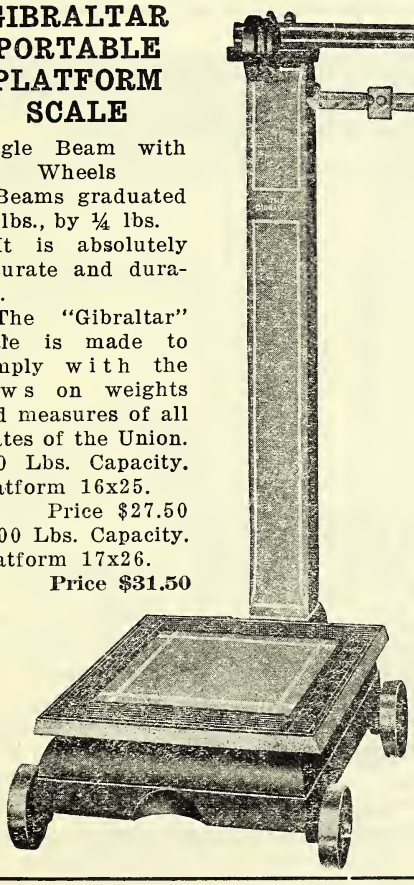
Beams graduated 50 lbs., by ¼ lbs.

It is absolutely accurate and durable.

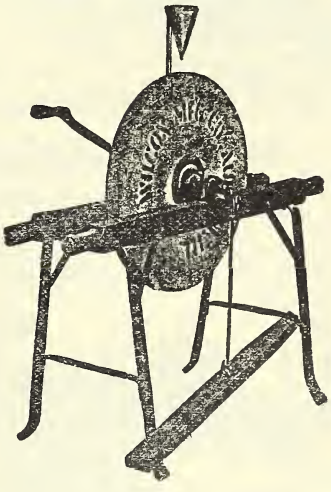
The "Gibraltar" scale is made to comply with the laws on weights and measures of all States of the Union.

600 Lbs. Capacity. Platform 16x25.
Price $27.50

1000 Lbs. Capacity. Platform 17x26.
Price $31.50



Climax Ball-Bearing Grindstone



A well and substantially built machine equipped with both hand crank and treadle. Frame is a combination of wood and steel—finished in Japan and red paint. Runs "true" and easy, for journals are fitted with Ball-Bearings.

Furnished with carefully selected Berea grit stone—from 2 to 2¼ inches thick.

Climax Ball Bearing. Large stone $10.35
Climax Ball Bearing. Medium stone 8.25

Scythe Stones

Black Diamond	.15	Quick Cut	.15
Indian Pond	.10	Lectro	.15
Willoughby Lake	.15	Emery	.15
Axe Stones	.05	Green Mountain	.10
Carborundum. Small	.35	To mail, add 5 cents each.	
Carborundum. Large	.40		

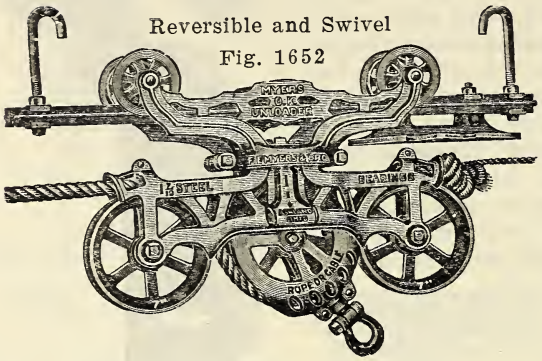
Write Us for Catalog and Prices On Gray Ann **Threshers**

All Prices Subject to Market Changes

HAY CARRIERS

THE MYERS O. K. HAY UNLOADER

For Rope or Cable Draft



Reversible and Swivel
Fig. 1652

The Myers O. K. Unloader with extra long truck and seven-inch sheaves for cable draft rope is especially designed for heavy work. The long truck distributes the load on the track and adapts the car for using two forks or slings.

The bearings on all rope sheaves are 1 7-16th diameter, hard turned steel.

Price List, Represented by Fig. 1652

No. 209. Myers O. K. Unloader for Double Steel Track, 7-inch sheaves. **Net Price, $10.50**

No. 200. Myers O. K. Unloader for double steel track, rope draft, small sheaves, otherwise same as No. 209. **Net Price, $8.50**

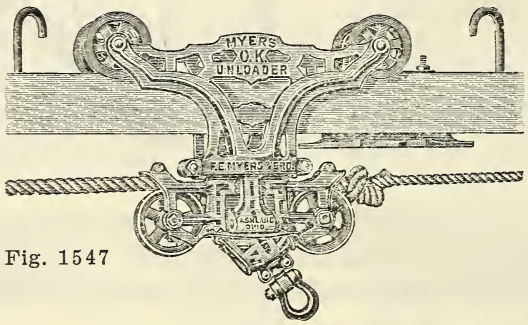


Fig. 1547

The Myers O. K. Unloader is our latest and best production. Has extra long and heavy truck, distributing the load on track and designed for heavy work.

Price List Represented by Fig. 1547

No. 205. Myers O. K. Unloader for wood track, rope draft. **Net Price, $8.50**

No. 212. Myers O. K. Unloader for wood track, rope draft. Same as No. 205 and in addition has 7-inch rope sheaves. **Net Price, $10.50**

HAY CARRIER OUTFITS

SPECIAL NOTICE: When requesting quotations do not fail to give exact length of barn, whether ridge or full rafter, and distance between rafters. Also state whether you expect to hoist from end or center of barn.

Estimates for Hay Carrier Outfits

Estimate of material required for a Steel Track Outfit for different length barns:

For a 60-foot barn, One Carrier, 54 ft. Track, 20 Hanger Hooks, 12 Rafter Brackets, 1 Harpoon, or Grapple Fork, 3 Pulleys, 3 Floor Hooks, 160 ft. ¾-in. ¾-inch Manila Rope, 55 feet ⅜-inch Check Rope, 1 Rope Hitch.

For a 50-foot barn, One Carrier, 48 ft. Track, 20 Hanger Hooks, 20 Rafter Brackets, 1 Harpoon or Grapple Fork, 3 Pulleys, 3 Floor Hooks, 160 ft. ¾-in. Manila Rope, 55 ft. ⅜-in. Check Rope, 1 Rope Hitch.

For a 60-foot barn, One Carrier, 54 ft. Track, 20 Hanger Hooks, 20 Rafter Brackets, 1 Harpoon or Grapple Fork, 3 Pulleys, 3 Floor Hooks, 185 ft. ¾-in. Manila Rope, 65 ft. ⅜-in. Check Rope, 1 Rope Hitch.

Above estimates of Rope are for an End Hoist. In hoisting from center of barn, less Rope will be necessary.

Approximate Size, Weight and Feet per Pound of MANILA ROPE

SIZE Circum. Inches	Diameter Inches	Weight of Full Coils	Weight of Half Coils	Feet Per Pound	Strain In Pounds
6 (thd.)	1-4	22	11	55 ft.	625
9 (thd.)	5-16	29	15	40 "	1,000
12 (thd.)	3-8	50	25	24 "	1,270
1¼	7-16	65	32	18 "	2,100
1½	1-2	90	45	13 "	2,400
1¾	9-16	125	63	10 "	3,300
2	5-8	160	90	8 "	4,000
2¼	3-4	195	110	6 "	4,700
2½	13-16	235	130	5 "	5,600
2¾	7-8	270	165	4½ "	6,500
3	1	325	195	3½ "	7,500
3¾	1 1-4	500	300	2 " 4 in.	12,500

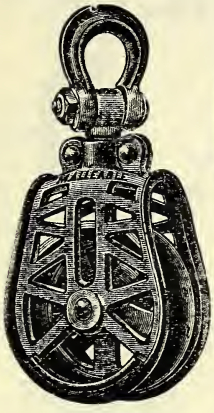
Dustbane

The very best of all sweeping compounds on the market. No sand to increase its weight. It is a perfect Dust Killer. Every Storekeeper as well as every housewife should have a supply on hand and use it at every sweeping. A handful at a time when you sweep absorbs the dust, brightens the floor and cleans your carpet.

Prices: Large can, .40; 50-lb. can, $3.00; 100-lb. barrel, $4.65; 200-lb. barrel, $3.50.

All Prices Subject to Change Without Notice

Pulleys



No. 1124

No. 466

No. 1267

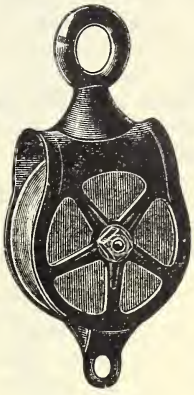
No. 1120

No. 1133

No. 692

Price Each

No. 1133. Plain Pulley, 6-inch maple sheave malleable frame $0.55
No. 692. Cast Frame, 5½-inch iron sheaves .55
No. 486. Floor Pulley with large loose pin .. .65
No. 1267. Cast frame, plain, 6-inch maple sheave, 1-inch hollow axle ..... .55
No. 1120. Malleable frame knot passing, 6-inch maple sheave, 1-inch axle ..... .70
No. 1701. Malleable Pulley. Malleable frame and sheave, steel axle, roller bearing 1.25
No. 466. O. K. wood pulley with steel yoke, 1-inch hollow axle ..... .55
No. 1124. Special Malleable Frame, extra heavy 1.25



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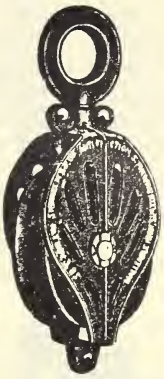

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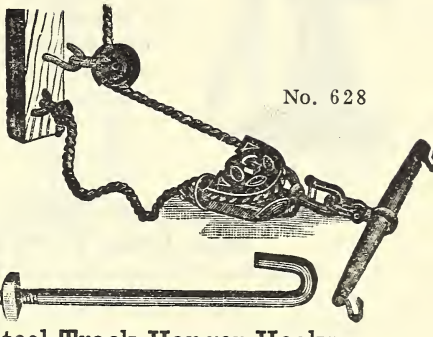
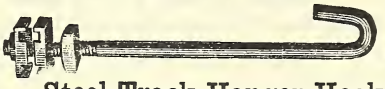


No. 628

Myers Patent Double Steel Track

Price per foot $0.22



Steel Track Hanger Hooks

Price per dozen $1.75

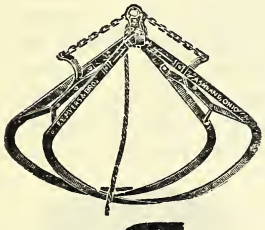
Jointed Steel Track Hanger Hooks

Price per dozen, $2.50

Knockers, Stops, Wheels and complete line of Repairs for Myers Clover Leaf Unloaders.

Grapple Fork

4 tined $10.50
6 tined 12.00



Double Harpoon Hay Fork

Price each

25 inch $2.25
31 inch 2.50
Alfalfa 4.50

Rafter Brackets

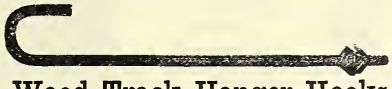
Price per dozen $0.75

Steel Grapple

Each $0.75

Swivel Rope Hitch

Each $0.45



Wood Track Hanger Hooks

Per Doz.

10 inch $1.25
12 inch 1.35
14 inch 1.50
16 inch 1.60
18 inch 1.75

Jointed Hanger Hooks

12 inch ..... Price per doz., $2.50

Ridge Pole Hooks

⅜ inch ..... Price per doz., $1.50

Floor Hooks

Price per dozen

¾-inch $1.75

Drive Screws

Per gross $0.65

All Prices Subject to Change Without Notice

MYERS LINE OF PUMPS

We carry the most complete line of Pumps in this section. We have it whether you want it for house, barn or orchard. House pumps, well pumps, for all conditions including spraying pumps and pumps for pneumatic water systems, whether hand or power. If it's a Myers it is right.

The Myers Long Stroke Cog Gear Brass Cylinder Pitcher Pump

Price List Represented by Fig. 1665

Fig. 1665

No. R 220. 3 Inch brass cylinder cog gear pitcher pump, with patent glass valve seat, tapped for 1¼ inch suction pipe. **Net Price $6.25**

No. R 222. 3½ Inch brass cylinder cog gear pitcher pump, with patent glass valve seat, tapped for 1½ inch suction pipe. **Net Price $7.50**

The Myers Cog Gear Pitcher Pump Fitted With Brass Valve Seat

Price List Represented by Figure 1675

No. R 416. 3 Inch polished iron cylinder, tapped for 1¼ inch suction pipe. **Net Price $3.75**

No. 416. Same as No. R 416 except it does not have the cog gear handle. **Net Price $3.50**

Fig. 1675

The Myers Cog Gear House Lift Pump with Siphon Spout and Glass Valve Seat

Price List Represented by Fig. 1663 and Fig. 1473

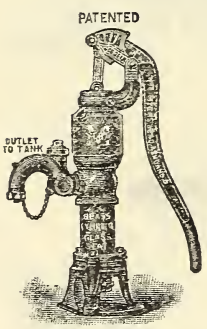


Fig. 1663

No. R 245. Fig. 1663. 3 In. brass cylinder, tapped for 1¼ in. suction pipe. **Net Price ... $7.00**

No. R 247. Fig. 1663. 3½ Inch brass cylinder, tapped for 1½ inch suction pipe. **Net Price $8.25**

No. R S 245. Fig. 1473. 3 Inch brass lined cylinder, tapped for 1¼ inch suction pipe, 4 ft. set length. **Net Price $9.50**

No. R S 247. Fig. 1473. 3½ In. brass lined cylinder, tapped for 1½ inch suction pipe, 4 foot set length. **Net Price $10.75**

The Myers Cog Gear House Force Pump with Siphon Spout and Glass Valve Seat

No. R 251. Fig. 1663. Force pump, 3 inch brass cylinder, tapped for 1¼ inch suction pipe. **Net Price $9.00**

No. R 253. Fig. 1663. Force pump, 3½ inch brass cylinder, tapped for 1½ inch suction pipe. **Net Price $10.00**

Cock Spout as on Fig. 1664 on either of the above pumps. Add to Net Price **$1.00**

No. R S 251. Fig. 1473. Force pump 3 inch brass lined cylinder, tapped for 1¼ inch pipe, 4 ft. set length. **Net Price $10.75**

No. R S 253. Fig. 1473. Force pump 3½ in. brass lined cylinder, tapped for 1½ in. pipe, 4 ft. set length. **Net Price $12.00**

Cock Spout on either of above pumps, add to Net Price **$1.00**

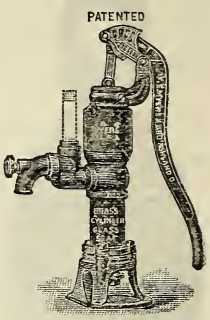


Fig. 1664

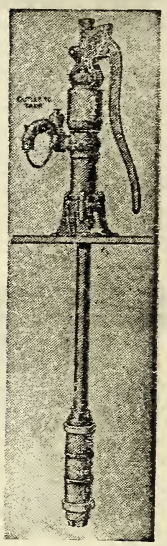


Fig. 1473

Myers Brass, Brass Lined and Polished Iron Cylinders

Fig. 976. Myers Brass Lined Cylinders are constructed with an outer shell of cast iron, in which is placed a heavy seamless drawn brass tube, ends of which are swaged out by our patent roller process to fit bevel on outer shell. They are fitted with our single or double leather plunger.

Fig. 976

Fig. 215

Fig. 215. Myers Brass Cylinders, with Glass Valve Seat, capped outside, are especially adapted for drilled wells of small diameter. They are made of the best quality seamless drawn brass, have our special brass sand plunger.

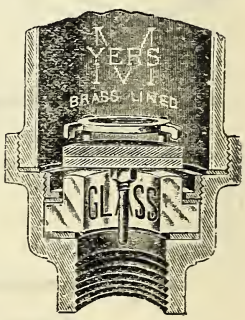


Fig. 577

Brass Cylinder Sectional View

Drive Well Points

No. 86—1¼ in.x12-3 ft. ..... **Net Price $1.25**

No. 98—1¼ in.x3 ft. ..... **Net Price $2.35**

No. 136—1½ in.x2 ft. ..... **Net Price $2.00**

No. 140—1½ in.x2½ ft. ..... **Net Price $2.50**

No. 144—1½ in.x3 ft. ..... **Net Price $3.00**

All Prices Subject to Change Without Notice

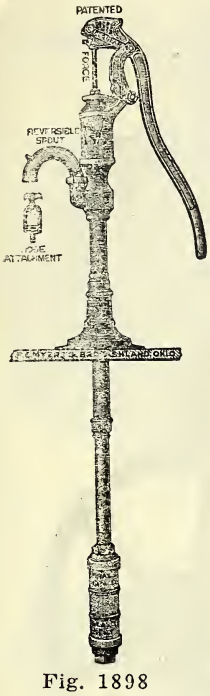


Fig. 1898

Fig. 792

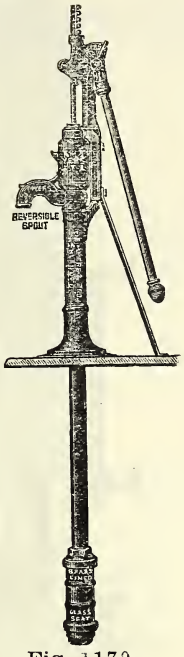


Fig. 1170

Fig. 1830

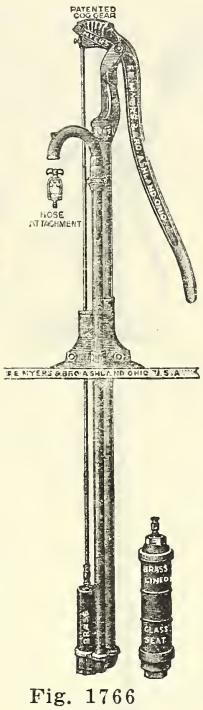


Fig. 1766

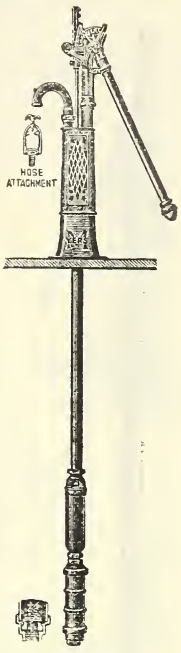


Fig. 1109

Myers Adjustable Base Lift Pump

Fig. 1830—No. R 1058. 3 In. polished iron cylinder, with iron seat tapped for 1¼ inch suction pipe.
Net Price $8.50

Fig. 792—No. 125. 3½ Inch polished iron cylinder, with iron seat, tapped for 1½ inch suction pipe.
Net Price $9.50

Myers Cog Gear Lift Pumps

Fig. 1830—No. R 1052. 3 In. brass lined cylinder, with glass seat, tapped for 1¼ in. suction pipe.
Net Price $11.00

Fig. 1830—No. R 1054. 3½ In. brass lined cylinder, with glass seat, tapped for 1½ in. suction pipe.
Net Price $12.00

Myers Cog Gear Stock Lift Pump

Fig. 1170—No. R 104. 4 In. brass lined cylinder with glass seat, tapped for 2 in. suction pipe.
Net Price $18.00

Myers Cog Gear Branch Pipe Double Acting Force Pumps

Fig. 1766—No. R 4. Has a 2½ inch brass lined lower cylinder, with glass valve seat, tapped for 1¼ inch suction pipe ..... **Net Price $16.00**

Fig. 1766—No. R 14. Has a 3 inch brass lined lower cylinder, with glass valve seat, tapped for 1¼ inch suction pipe ..... **Net Price $16.00**

Fig. 1766—No. R 16. Has a 3½ inch brass lined lower cylinder with glass valve seat, tapped for 1½ inch suction pipe ..... **Net Price $17.00**

Myers Cog Gear Combination Shallow or Deep Well Force Pumps

Fig. 1109—No. R 184. Has a 2½ inch brass lined lower cylinder with latest improved glass valve seat. The brass upper cylinder is 4½ feet below the platform, tapped for 1¼ inch pipe ..... **Net Price $16.00**

Fig. 1109—No. R 186. Has a 3 inch brass lined lower cylinder with latest improved glass valve seat. The brass upper cylinder is 4½ feet below the platform, tapped for 1¼ inch pipe ..... **Net Price $16.00**

No. 1109—No. R 188. Has a 3½ inch brass lined lower cylinder with latest improved glass valve seat. The brass upper cylinder is 4½ feet below the platform, tapped for 1½ inch pipe ..... **Net Price $17.00**

Myers Cog Gear Single Acting Force Pumps

Fig. 1898—No. R 1072. 3 Inch brass lined cylinder, glass valve seat, tapped for 1¼ inch suction pipe.
Net Price $12.00

Fig. 1898—No. R 1074. 3½ Inch brass lined cylinder, glass valve seat, tapped for 1½ inch suction pipe.
Net Price $13.00

All Prices Subject to Change Without Notice

Fig. 1159

Fig. 406

Fig. 1765

Myers Cog Gear Branch Pipe—Three-Way Single Acting Force Pumps

Fig. 1159—No. R227. With brass plunger tube without lower cylinder, tapped for 1¼ in. pipe.

Net Price, $15.00

Fig. 1159—No. R228. With brass plunger tube with 3x14 in. brass lower cylinder, tapped for 1¼ in. pipe. **Net Price, $22.00**

Myers Imperial Cog Gear Single Acting Windmill Force Pump

Fig. 1765—No. R236A. 1¼ In. three-way, brass plunger tube, 3x14 in. brass lower cylinder.

Net Price, $27.50

Myers Windmill Regulator Force Pumps

Fig. 406—No. 243. Fitted with 1½ in. 3-way 3x14 brass lower cylinder and plunger tube.

Net Price, $38.50

Myers Windmill and Tank Pumps

Fig. 695

Fig. 695—No. 159. 2 In. brass cylinder brass seat, tapped for 1½ in. pipe, suction and discharge.

Net Price, $20.00

Fig. 695—No. 160. 2½ In. brass cylinder glass valve seat, tapped for 1½ in. pipe, suction and discharge.

Net Price, $20.00

Fig. 695—No. 161. 3 In. brass cylinder, glass valve seat, tapped for 1½ in. pipe, suction and discharge.

Net Price, $21.00

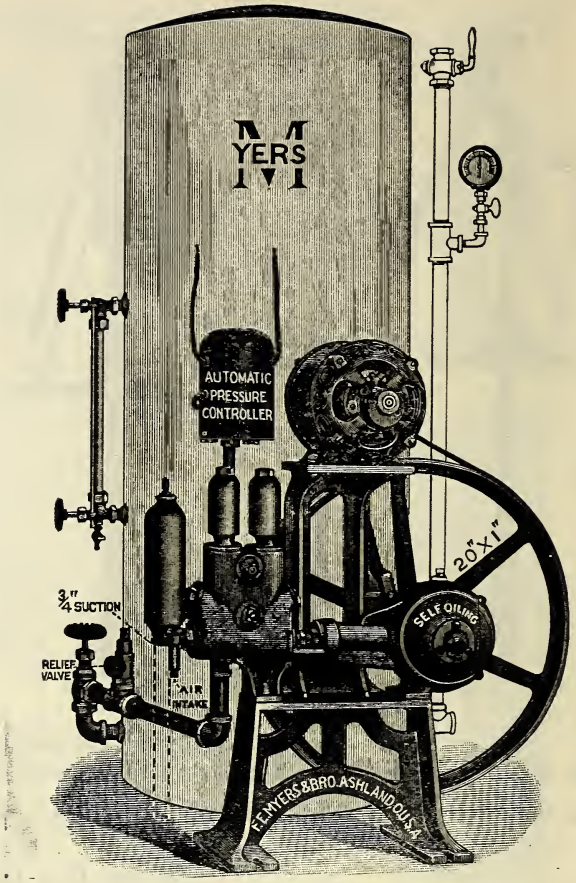


Fig. 1815

Fig. 1815. Myers Electric House Pump complete as shown for Pressure Tank water systems. Descriptive matter and prices on application.

Myers Cog Gear Low Down Force Tank Pumps

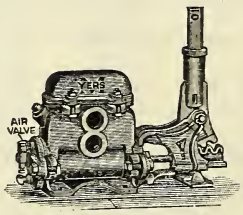


Fig. 1906

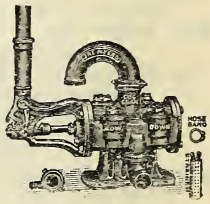


Fig. 1287

Fig. 1906—No. R288A. Hydro Pneumatic Century low down, 3 in. brass lined cylinder, tapped for 1¼ inch pipe. **Net Price, $14.00**

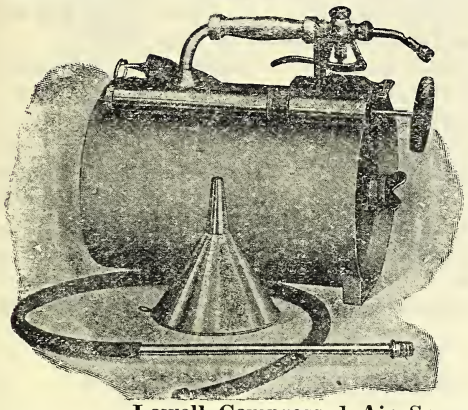
Fig. 1287—No. R470. Fitted with hose nipple, hose attachment, hose band and strainer.

Net Price, $12.50

All Prices Subject to Change Without Notice

SPRAY PUMPS

LOWELL COMPRESSED AIR SPRAYER

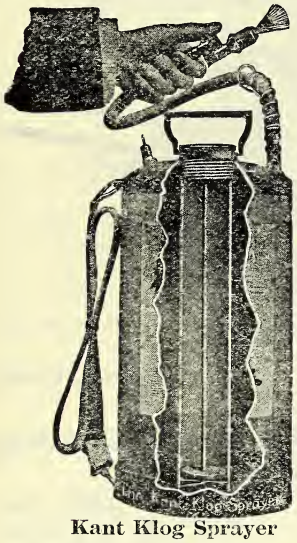


Does not require constant pumping. Has an automatic thumb lever valve. Most practical for Orchard, Field and Garden Work.

Lowell Compressed Air Sprayer

No. 110—Galvanized with hose, brass pipe and nozzle.
Net Price, $6.50

No. 111—Brass, with hose, brass pipe and nozzle.
Net Price, $8.75



Kant Klog Sprayer

Kant Klog Sprayer

The tank of this sprayer is made of heavy polished brass or galvanized steel as ordered. Top and bottom are seamed very strongly to sides, under heavy pressure, making very strong construction. With galvanized steel body, brass air pump, hose, escape valve, "Kant Klog" Nozzle, spring shut-off and carrier strap.

Net Price, $7.00

With polished brass body and same attachments as above. **Net Price, $9.75**

Brown's Auto Sprayer

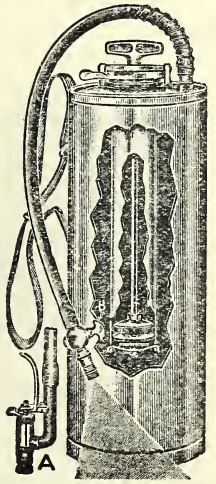
A practical machine for applying Bordeaux and all solutions to Potatoes, Tobacco and Small Fruits, Poultry Houses, etc.

Brass Extension Pipes, Torches and different nozzles furnished as extras if wanted.

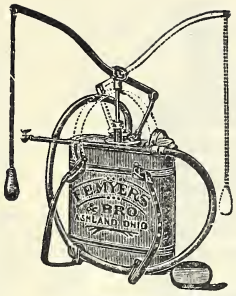
No. 1A Brass auto spray with stop cock nozzle. **Net Price $8.75**

No. 1B Brass auto spray with auto pop nozzle. **Net Price $9.50**

No. 1D Galvanized auto spray with auto pop nozzle.
Net Price, $6.25



Brown's Auto Sprayer



Myers Knapsack Spray Pumps

Fig. 547—No. 330, Galvanized Tank ..... **Net Price, $15.75**

Fig. 1358

Fig. 547

Myers Whitewash and Spray Outfit

Fig. 1358—No. 329, Myers Whitewash, Cold Water Painting machine and general purpose sprayer complete as illustrated.
Net Price, $12.75

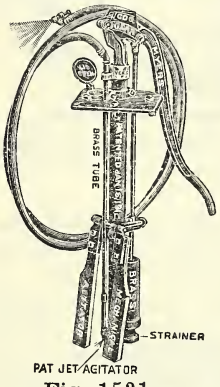
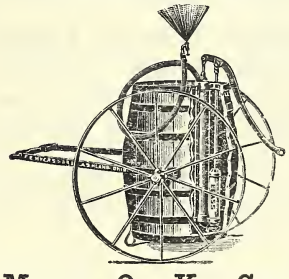


Fig. 1521

Myers Cog Gear Barrel Spray Pump

Fig. 1521—No. R318 Myers Cog Gear Spray Pump only, with both jet and mechanical agitator, but without hose or nozzle. **Net Price, $11.00**

Fig. 1521—No. R318B complete with one lead of 15 ft. of ½ in. 5 ply hose, graduating Vermorel Nozzle, both jet and mechanical agitator.
Net Price, $15.00



Myers O. K. Cog Gear Spray Pump

Price List Represented by Fig. 1542

No. R308 Myers O K Spray Pump without barrel or hose.
Net Price, $20.00

R308B Outfit with one lead 15 feet of 7 ply ½ in. discharge hose and one Fembro (Fig. 1290) nozzle.
Net Price, $26.00

R308C Outfit with two leads of 15 ft. 7 ply ½ in. hose and two Fembro (Fig. 1290) nozzles. **Net Price $32.00**

Myers Steel Barrel Cart

Fig. 898. All steel Barrel Cart attached to barrel, has 36 in. steel wheels with 1¼ inch tire. Any Myers Barrel Spraying Pump can be used with it.

Steel Cart Only, ready to attach to barrel.
Net Price, $12.00

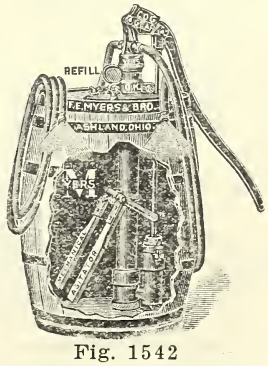


Fig. 1542
Represents No. R308C Barrel not included.

All Prices Subject to Change Without Notice

Myers Potato Sprayer

The most practical potato sprayer ever put on the market; **it can be attached to any wagon,** is very simple in construction and durable, nothing about it to get out of order.

This sprayer is fitted throughout with brass connections and high pressure rubber hose, the liquid not coming in contact with the iron pipe in any way.

Fig. 1105, 4-row spray attachment complete less pump and barrel ..... **Net Price $15.50**

Fig. 1582, Myers 3-row Potato Sprayer, complete less pump and barrel (Not illustrated) **Net Price $22.50**

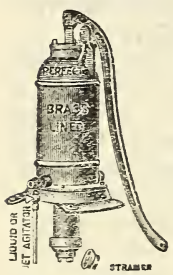


Fig. 653

Myers Perfect Double Acting Spray Pump

Has Brass Upper and Brass Lined Lower Cylinders, all Brass Plunger, Brass Check Valve, Brass Valve Seat, 1 inch Suction Pipe, Strainer, fitted with Canvas Packed Plunger and will handle hot or cold mixture.

No. 310, represented by Fig. 653. Perfect Barrel Spray Pump with Strainer, 1 in. suction pipe and mechanical agitator. **Net Price $16.00**

No. 311B, Perfect Barrel Spray Pump, complete with suction pipe, strainer, 15 ft. of ½ in. 5 ply discharge hose, graduated Vermorel nozzle and mechanical agitator. **Net Price $20.00**

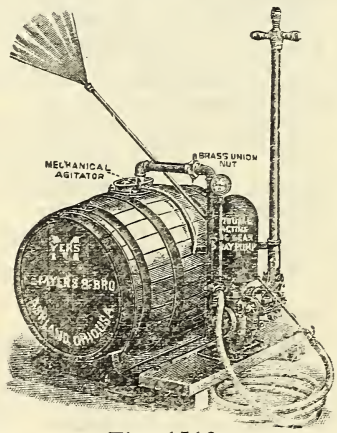


Fig. 1518

No. 312C, Perfect Barrel Spray Pump, complete with suction pipe, strainer, two leads of discharge hose each 15 ft. long, two graduated Vermorel nozzles and mechanical agitator ..... **Net Price, $24.00**

Price List, Represented by Fig. 1518

No. R316B Pump complete, 50 gallon barrel mounted on skids, with pressure gauge, one 15 ft. lead of ½ in. 7 ply discharge hose, one Fembro Fig. 1290 nozzle, one 8 ft. pipe extension with lever shut off and mechanical agitator ..... **Net Price, $50.00**

No. R316C, Pump complete, 50 gallon barrel mounted on skids, with pressure gauge, two 15 ft. leads of ½ inch 7 ply discharge hose, two Fembro Fig. 1290 nozzle, two 8 foot pipe extensions with lever shut off and mechanical agitator .... **Net Price, $56.00**

Myers Handy Portable Sprayers

Fig. 1614—No. R336B with cog gear pump. Mechanical agitator, 15 feet of ½ in. hose, 8 ft. pipe extension in two 4 ft. parts and Vermorel Nozzle. Tank is made of heavy galvanized iron, 12½ gallon capacity. A general utility outfit suitable for spraying trees, whitewashing, painting, etc.

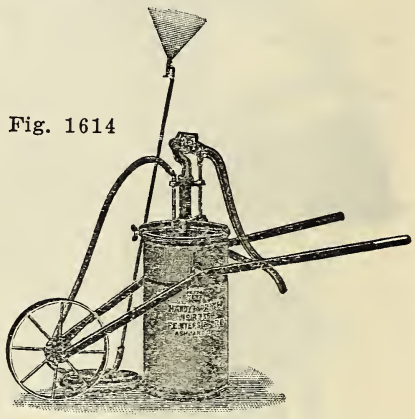


Fig. 1614

Net Price, $25.00

Myers Cog Gear Spray Pumps, Double Acting

Price List, Represented by Fig. 1571

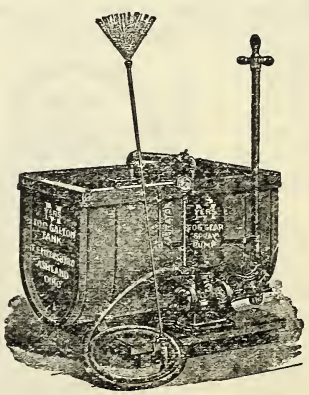


Fig. 1571

No. R317B. Pump complete with 100 gallon tank and mechanical agitator, mounted on skids, with pressure gauge, one 15 foot lead of ½ inch 7 ply discharge hose, one Fembro Fig. 1290 nozzle, one 8 foot pipe extension with lever shut off. **Net Price, $60.00**

No. R317C, Pump complete with 100 gallon tank and mechanical agitator, mounted on skids, with pressure gauge, two 15 foot leads of ½ in. 7 ply discharge hose, two Fembro Fig. 1290 nozzles, two 8 foot pipe extensions with lever shut off. **Net Price, $66.00**

All Prices Subject to Change Without Notice

Myers Bucket Spray Pump

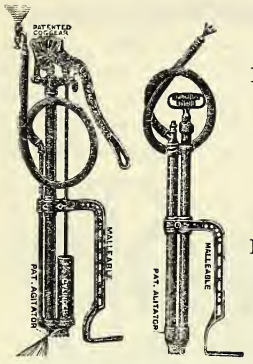


Fig. 1726 Fig. 639

Fig. 639—No. 327½. Little Giant Brass Spray Pump with agitator, complete with hose and Imperial combination, fine, coarse spray and solid stream nozzle with adjustable malleable foot rest.
Net Price, $4.25

Fig. 1726—No. R324. Myers Lever Spray Pump, with agitator complete with hose and graduating Vermorel and solid stream nozzle.
Net Price, $6.50

Myers Power Spray Outfits

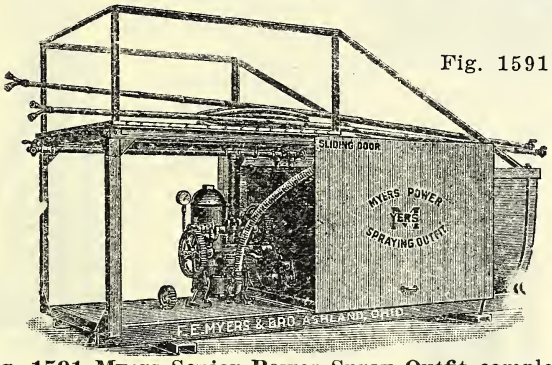


Fig. 1591

Fig. 1591 Myers Senior Power Spray Outfit complete less engine as shown with 200 gallon tank, No. 446—2½ inch Duplex Pump, with pinion for crank-shaft of engine. **No. 1 ..... Net Price, $245.00**

Equipped as Follows:

1 50 foot lead of ⅜ inch best grade high pressure discharge hose.
1 10 foot lead of ⅜ inch best grade high pressure discharge hose, 10 feet wire bound suction hose.
2 10 feet Bamboo Pipe Extensions complete with lever shut off.
4 Fembro Nozzles—(2 45-degrees, 2 straightway).
2 Fig. 1560 Y's.

Rotary agitator. Cut-offs for discharge lines. Relief Valve. Pressure Gauge and Strainer. All assembled ready for use, except the engine.

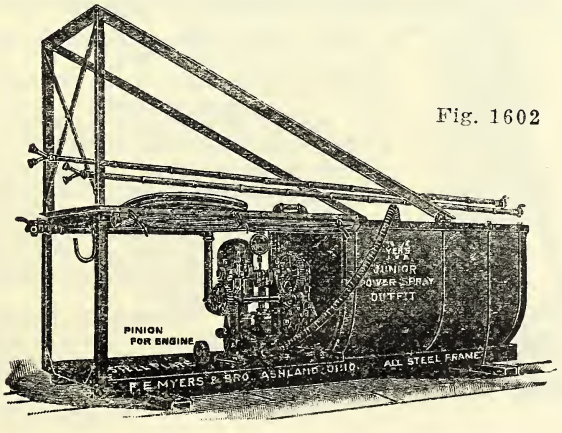


Fig. 1602

Fig. 1602—Myers Junior Power Spray Outfit, complete less engine as shown, with 100 gallon tank. No. 436—2 inch Duplex Pump with pinion for crank-shaft of engine. This outfit has curtains instead of sliding doors. No. 10, **Net Price $185.00**

EQUIPPED AS FOLLOWS:

1 100 Gallon cypress tank.
6 Feet 1 inch suction hose.
50 Feet ⅜ inch discharge hose with fittings for 2 leads.
4 Fembro Nozzles—(2 straight-away and 2 45-degrees).
2 Fig. 1560 Y's.
2 8 Foot Bamboo Pipe Extensions. Rotary Agitator, Pressure Gauge, Relief Valve, Double Cut Off and Strainer. All assembled ready for use, except the engine.

Myers Special Power Spray Outfit

Fitted with 2 inch Horizontal Double Acting Force Pump.

Complete Except Engine. Belt Driven.

100 Gallon Tank.

Price List, Represented by Fig. 1686

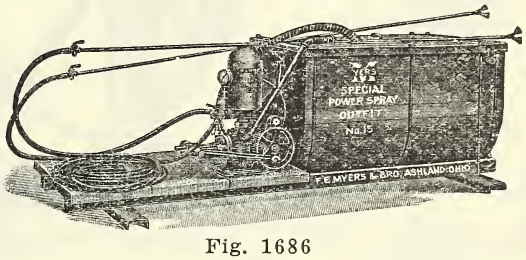


Fig. 1686

No. 15, Myers Special Power Spray Outfit, belt driven, equipped with 50 ft. ⅜ in. discharge hose with fittings for two leads, two Fembro Nozzles straight away, two Fembro Nozzles 45 degree, two Fig. 1560 Y's, two 8 ft. iron pipe extension, semi-rotary agitator, pressure gauge, relief valve, double cut-off, strainer and suction hose. **Net Price, $110.00**

Myers Self-Oiling Bulldozer Power Pump

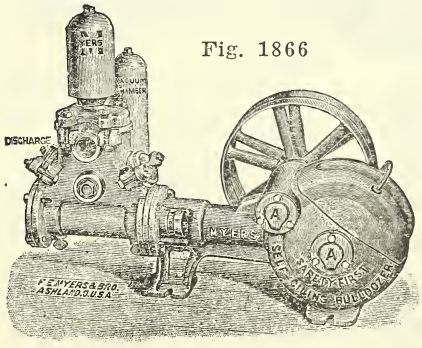


Fig. 1866

No. 613, 3x4, brass lined cylinder, 14x2½ in. tight and loose pulleys, suction and discharge 1½ in.
Net Price
$80.00

No. 612A, 2½x3 brass lined cylinder, 12x2 in. tight and loose pulleys, suction and discharge 1¼ in.
Net Price, $55.00

All Prices Subject to Change Without Notice

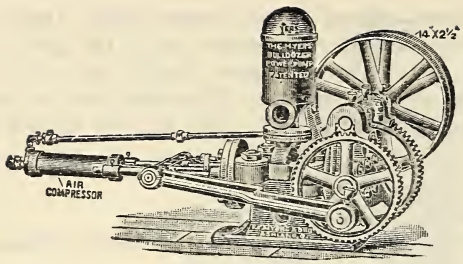


Fig. 1319

Fig. 1319—No. 502A with a 3x5 brass lined cylinder, 14x2½ inch, tight and loose pulleys, suction 1½ in. Discharge 1¼ in. 2x5 in. air compressor.

Net Price, $70.00

Myers Siphon Power Pumps

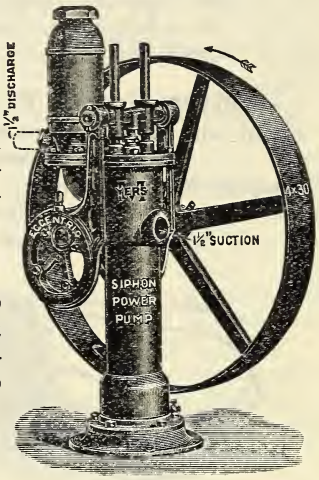


Fig. 1226

Fig. 1226—No. 373, with 2½ brass cylinder, suction and discharge, tapped for 1½ in. pipe. Has 30x4 in. pulleys, 4 in. direct stroke.

Net Price, $56.00

No. 374 same as 373, but with a 3 in. brass cylinder. **Price, $58.00**

Myers Vertical Power Hydro-Pneumatic Pump

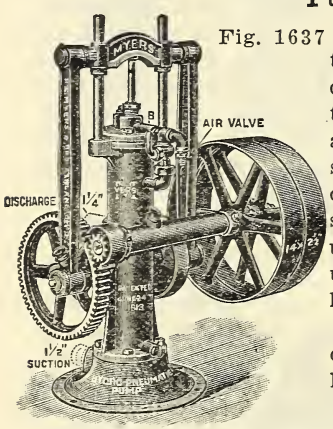


Fig. 1637

The special advantage of this style pump over an independent Air Compressor is that it admits just enough air at all times to keep Pressure Tank in proper working condition, whereas — when separate Air Compressor is used—it is often overlooked until Tank becomes waterlogged.

The air can be admitted or cut out by tightening or loosening the air cap.

Capacity 360 gallons.

No. 379A—For Deep Wells ..... **Net Price $60.00**

Myers Power Spray Gun

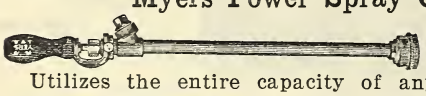


Fig. 1824

Utilizes the entire capacity of any Power Spray Pump and does away with all Bamboo Extensions, Nozzles and fittings. All working parts on the outside. Not subject to corrosion. **Net Price, $6.00**

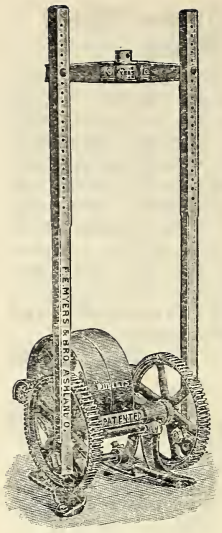


Fig. 1684

Myers Pump Jacks

Fig. 1684 — No. 426. Master Double Gear Pump Jack. Back geared, 6 to 1. Pulleys 3x12 in. Extra wide, 13 in. between the gear wheels. **Net Price $17.50**

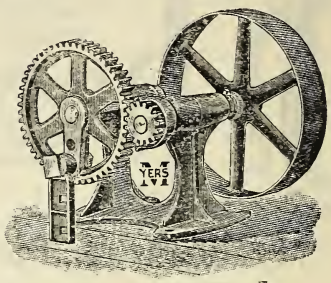


Fig. 1668

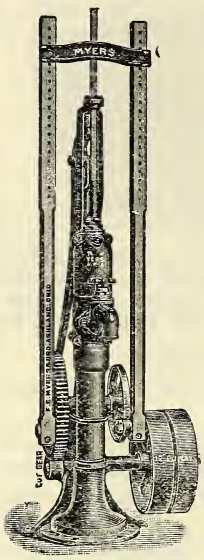


Fig. 1605

Fig. 1668—No. 400. Junior, with 36 in. wood rod and handle connections.

Net Price $14.00

Fig. 514-No. 350, Direct or Back Geared Countershaft, 12x3½ in. tight and loose pulleys.

Net Price $18.50

Fig. 1605—No. 366. Back geared 6 to 1, 12 inch tight and loose pulleys.

Net Price, $12.50

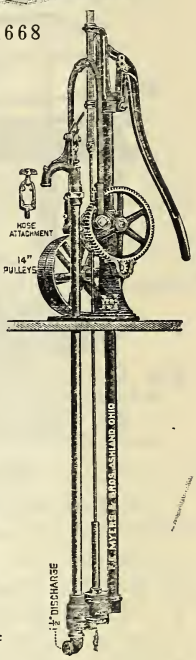


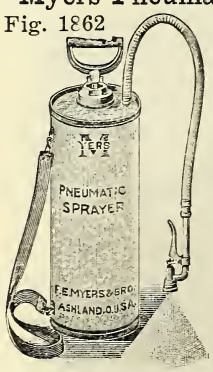
Fig. 1584

Myers Imperial Working Head

Fig. 1584—No. 389, Myers Imperial Working Head with machine cut gear and 14 in. pulleys, as shown in Fig. 1584 ..... **Net Price, $38.00**

Myers Pneumatic Compressed Air Sprayer

Fig. 1862



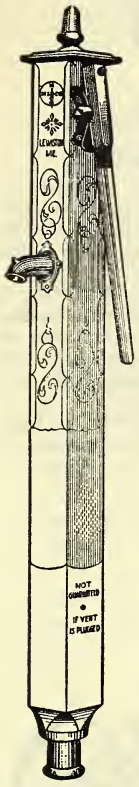
With Self-Locking D-Handle and Screw Top.

With Adjustable Long Distance Spray Nozzle.

Myers Pneumatic Sprayer is built to meet the demands for this style of Spray Pump. It is made of heavy galvanized iron with 1¾ in. brass tube cylinder attached to the can by means of a heavy brass screw nut, which is operated by lugs on the lower part of the handle.

No. 296. Pneumatic Sprayer complete with long distance nozzle. **Net Price, $6.00**

All Prices Subject to Change Without Notice



Washington White Spruce Wood PUMPS

It is a well known fact that a good Wood Pump furnishes the easiest and best method ever invented for raising water from shallow wells. Easiest repaired, cheaper to maintain, by far, than are Iron Pumps.

Washington White Spruce from which our Wood Pumps are made is superior to any other wood, is practically without sap and is entirely tasteless.

Net Prices

6 ft.	Porcelain Lined	$9.50
7 ft.	Porcelain Lined	10.25
8 ft.	Porcelain Lined	11.00
10 ft.	Porcelain Lined	12.25
12 ft.	Porcelain Lined	13.75
14 ft.	Porcelain Lined	15.00
Tubing, per ft.		.32

All repairs for Wood Pumps carried in stock.

Wood Pump Prices are Net. No Discount.

Spray Pump Nozzles and Fittings

Fig. 1559. Represents the popular Fembro 45 degree Nozzle, is fitted with a removable steel disk in the cap. **Net Price, $0.65**

Straight Fembro Nozzle. **Net Price, $0.60**

Fig. 100. Represents the Non-Clog Atomic Nozzle; it has the capacity of four ordinary nozzles. Brass. **Net Price, $1.00**

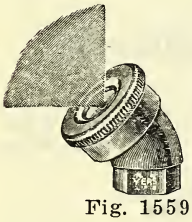


Fig. 1559

Fig. 1317. Power Nozzle with Self Cleaner. **Net Price, $1.00**

Fig. 1564. Graduated Vermorel Nozzle. **Net Price, $0.75**

Fig. 1019. Regular Bordeaux Nozzle. **Net Price, $0.90**

Myers Pipe Extensions

Fig. 480. 8 ft. pipe extension, with couplings **Net Price, $0.65**

Fig. 1534. 8 ft. pipe extension, with stop cock. **Net Price, $1.35**

Fig. 1535. 8 ft. pipe extension, with lever shut-off cock. **Net Price, $1.50**

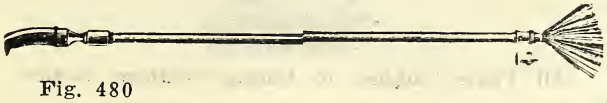


Fig. 480

Fig. 1317

Fig. 100

Fig. 1564

Fig. 1019

Fig. 642

Fig. 101

Fig. 549

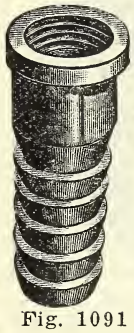


Fig. 1091

Fig. 772. Hose Redu, ¾ in. hose, ¼ in. pipe. **Net Price, $0.30**

Fig. 1560. Brass Y for two nozzles, ¼ in. pipe. **Net Price, .50**

Fig. 1380. 45 Degree Bend, ¼ in. pipe thread. **Net Price, $0.25**

Fig. 1381. 45 Degree Double Bend, ¼ in. pipe. **Net Price, $0.40**

Fig. 1283. Lever Shut-off Cock, ¼ in. pipe. **Net Price, $0.90**

Fig. 642. Imperial Nozzle. **Net Price, $0.40**

Fig. 101. Gould's Mistry, Jr., Nozzle, straight or angle brass. **Net Price, $1.00**

Fig. 549. Male end ½ in. hose, ¼ in. pipe. **Net Price, $0.25**

Fig. 1091. Female end ½ in. hose, ¼ in. pipe. **Net Price, $0.25**

Fig. 772

Fig. 1560

Fig. 1380

Fig. 1381

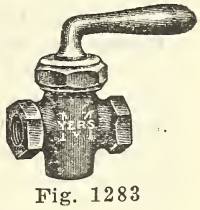


Fig. 1283

Myers Bamboo Extensions

Fig. 1536, 8 foot bamboo extension, lever shut off cock ..... **Net Price, $4.50**

Fig. 1536

No. 1536. 10 ft. bamboo extension, with lever shut off cock ..... **Net Price, $4.75**

Fig. 1536. 12 ft. bamboo extension, with lever shut off cock ..... **Net Price, $5.00**

Above prices do not include Nozzles.

Spray Hose

15 Foot Lengths of ½ inch 5 ply Hose with couplings. **Price, $3.75**

25 Foot Lengths of ½ inch 5 ply Hose with couplings. **Price, $6.25**

15 Foot Lengths of ½ inch 7 ply Hose with couplings. **Price, $4.50**

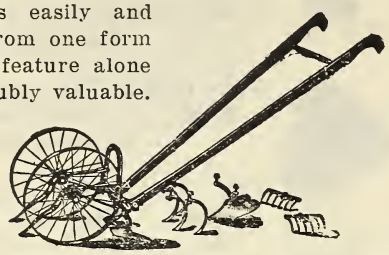
25 Foot Lengths of ½ inch 7 ply Hose with couplings. **Price, $7.50**

All Prices Subject to Change Without Notice.

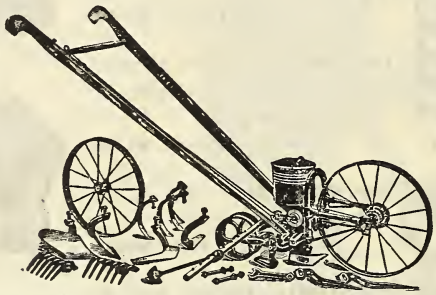
GARDEN CULTIVATORS and SEEDERS

IRON AGE

No. 301. Double and Single Wheel Hoe. A Combination which is easily and quickly changed from one form to another. This feature alone makes the tool doubly valuable. When the plants are young, the double wheel hoe should be used astride the row and the single wheel hoe for working between the rows, after the plants have grown too high to be worked properly any other way. Complete with all tools as shown. Shipping weight, 40 lbs. **Price $11.50**

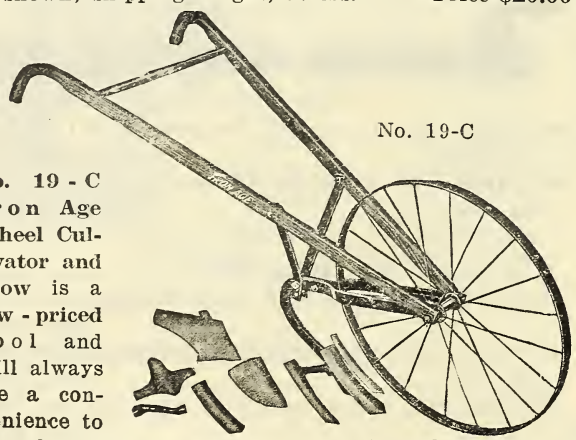


No. 301



No. 306. Iron Age Combined Hill and Drill Seeder, Double and Single Wheel Hoe.

Combination tools should be used for two reasons. They save in first cost and they take less room. Gardeners have found this to be true of the No. 306. Of course most market gardeners prefer to have separate tools always ready to do each separate piece of work—drills, wheel hoes, wheel plows, etc. The home gardener who has enough ground to warrant it, will find the No. 306 very convenient. Complete with all tools as shown; shipping weight, 57 lbs. **Price $20.00**



No. 19-C

No. 19-C Iron Age Wheel Cultivator and Plow is a low-priced tool and will always be a convenience to have for many kinds of work. It does the necessary plowing in many soils, opens furrows for seed or fertilizer and covers on the return trip. Shipping weight, 22 lbs. **Price $5.00**

PULL-EASY

ADJUSTABLE WHEELED CULTIVATOR

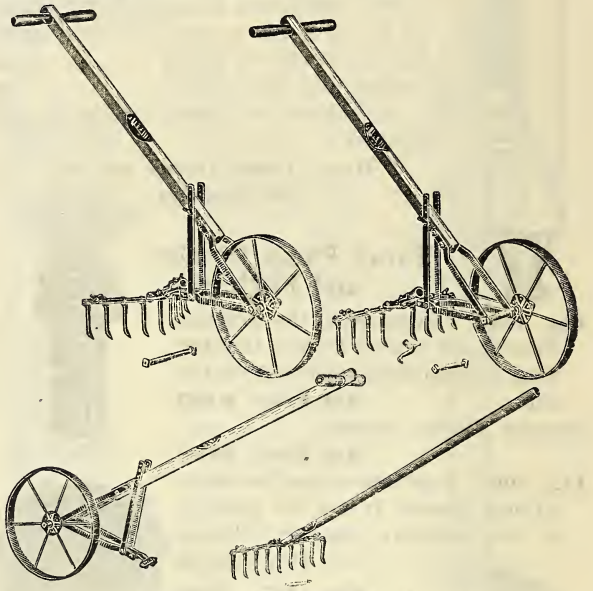
A Big Cultivator for a Big Garden

Look at this photograph. Can you imagine a huskier looking garden tool? Yet it is light, weighing only twelve pounds complete, while other makes of wheeled cultivators, doing the same work, are twice as heavy.

Because of its lightness and low balanced frame, it needs no tall, ponderous wheel to make it run easily.

The **Pull-Easy Cultivator** is instantly adjustable to cultivate garden rows of any width from 6 to 18 inches. The frame can be raised or lowered to suit the height or convenience of the operator.

No tools are needed in making any of the adjustments, other than the thumb and finger, to loosen or tighten the wide winged thumb nuts.



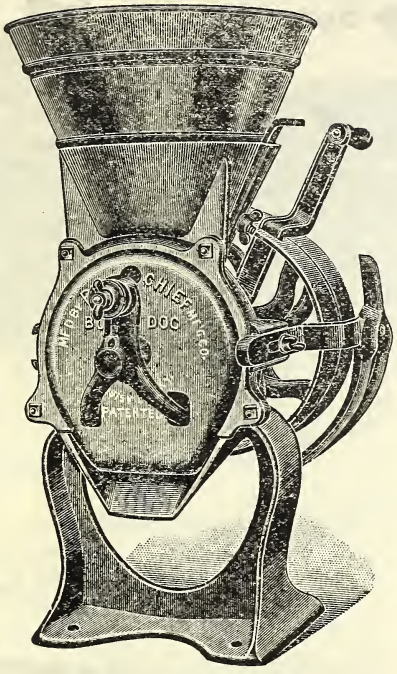
Pull-Easy Wheeled Cultivator

Specifications

Handles 4½ feet long. Wheel 14 inches diameter, 1 inch rim. Cultivator adjustable 7 to 18 inches wide. Weight 12 lbs. **Price, $4.00**

All Prices Subject to Change Without Notice

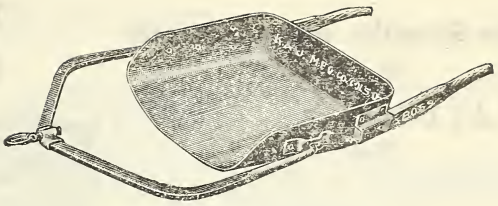
"Red Chief" Power Mill No. 20



For grinding corn meal, graham flour, stock feed, etc.

With a speed of 300 to 450 revolutions per minute, will grind 10 to 20 bushels feed per hour. Power required, 1½ to 2 horse power engine. Hand Crank for use when engine is not running. Tight and loose pulley, 10 inches in diameter, 2¼-inch face. Reversible belt shift. Feed Regulator.

Price with Stand, $27.00



Steel Road Scrapers

They are shaped cold from a single piece of steel lapped and riveted at the corners. They are uniform in thickness throughout except at the corners, where they are of double thickness.

No. 1 Capacity 7 cubic feet of earth, weight 105 lbs. **Price, $11.00**

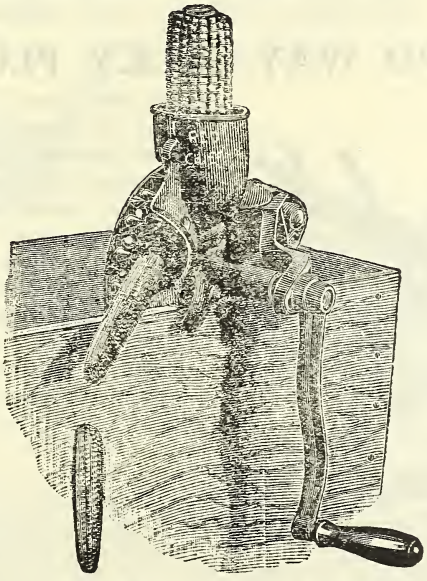
No. 2 Capacity 5 cubic feet of earth, weight 95 lbs. **Price, $10.50**

"Red Chief" Rapid Grinding Feed and Grist Mill No. 5

With fly wheel. Has same capacity as No. 10. A perfect Hand Power Grinding Mill. The Fly Wheel makes the Mill run steady and with the least possible power to turn it. With the crank extended, there is no mill that will run as easy. Feed Gauge and New Fine Grinding Burr in this mill. **Price, $5.75**

Improved "Red Chief" Hand Corn Sheller

Is Guaranteed to do as Good, if not Better Work, than any other Sheller on the Market.

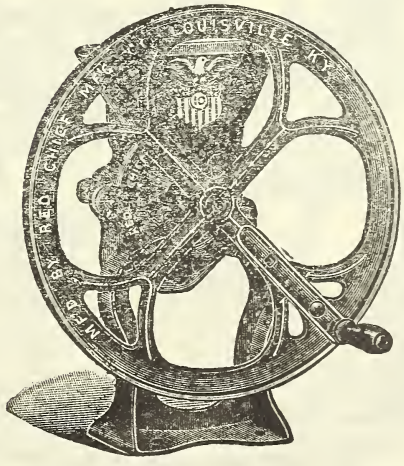


Red Chief Hand Corn Sheller

Has patent oval shaped teeth, shelling the corn without cracking the grains. Only sheller safe to use for shelling seed corn. Throws the cobs outside every time. Clamps on barrel or box. Closed hopper, making it impossible to pinch hands. Requires no wrench. Tension directly on cob, not on hopper, which makes sheller run very easy, no force being required to expand a hopper. **Price, $2.50**

"Red Chief" Rapid Grinding Feed and Grist Mill No. 10

Capacity, 2 to 4 bushels per hour



Equipped with extra hardened burrs.

Grinds Coffee, Chicken Feed and Cracks Peas, etc. Will make good Corn Meal and Graham Flour. Can be cleaned and adjusted in a moment's time without the use of a wrench.

Price, $7.00

All Prices Subject to Change Without Notice

The Spreader with the Beater on the Axle

All Driving Parts on the Rear Axle

No Clutches **No Chains**
No Adjustments
Easy to Load **Light Draft**
Roller Bearings

This Spreader represents the very latest improvements in manure spreaders and is simple to operate. Apron absolutely cannot race. Steel and malleable construction. Load divided on all four wheels, reducing draft.

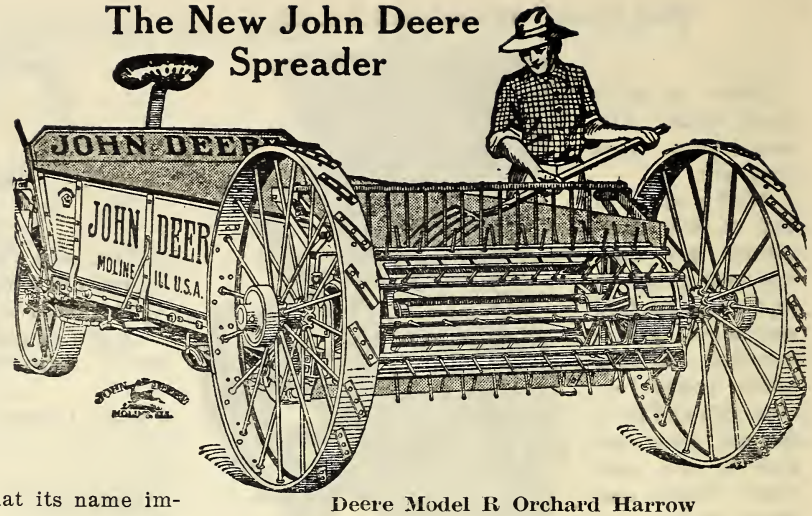
The John Deere Spreader is all that its name implies. It is mechanically right. The materials used are the best to be had. It does its work better and with greater ease than any other spreader on the market.

What the user appreciates most, however, is the simplicity of its construction, the ease with which it is loaded, the light draft and the fine quality of work it does under all conditions.

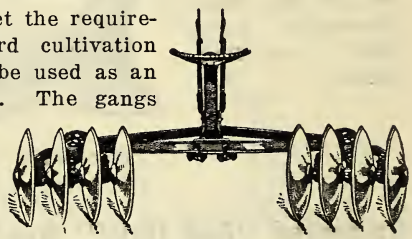
If interested in a Spreader do not fail to send for our free, colored booklet, fully describing the John Deere.

We handle a complete line of Myers Spray Pumps, Power Spray Outfits and Fittings. When in need of spray goods, ask us for prices and special literature.

The New John Deere Spreader



Deere Model R Orchard Harrow

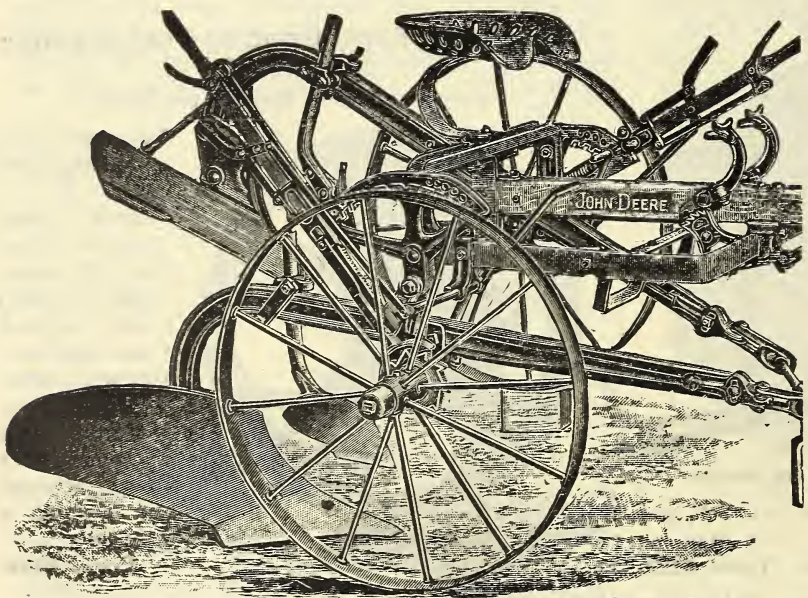


This harrow is constructed to especially meet the requirements of orchard cultivation and it can also be used as an ordinary harrow. The gangs are reversible for in or out throw and are adjustable in or out on the harrow frame and extension frame.

By use of an extension frame the gangs can be spread to a distance of over ten feet between them. This allows cultivation under overhanging branches.

NEW JOHN DEERE TWO WAY SULKY PLOW

With the Auto Foot Device



New John Deere Two Way Sulky Plow

The John Deere Sulky Plow represents the highest type of material and workmanship that is possible to procure. The entire frame and beams are constructed entirely of high carbon steel, hence are very strong and durable.

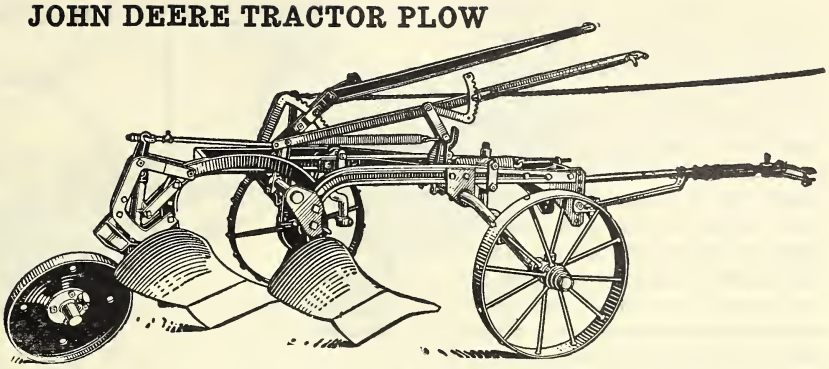
The new style foot landing device is the most satisfactory ever used and by its use and the horselift operated by foot power, the plow can be operated very easily.

Extra wide and long steel frame. Track wider than the ordinary plow, making it run steadier and less liable to overturn.

Sizes	Cuts
1342S-1442S	3 to 8 in. deep
Medium size	12 to 16 in. wide
1341S-1441S	4 to 9 in. deep
Large size	14 to 18 in. wide

Fitted with either Jointers, Hanging Cutters or Fin Cutters. Two or Three-Horse Eveners.

JOHN DEERE TRACTOR PLOW



Note these John Deere Tractor Plow features:

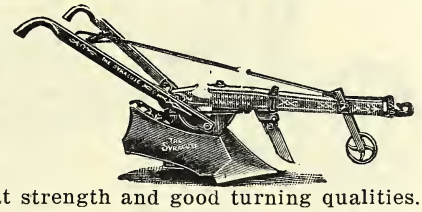
They can be used with any standard tractor—hitch and depth control levers are adjustable to suit the tractor.

The bottom is the heart of the plow—all the rest of the plow is built merely to enable the bottom to do its work. The right kind of a plow bottom makes money for the owner. It lays the foundation for the right kind of seed bed. The crop yield is increased. The plow lasts longer and pulls lighter—a saving in actual cost, power and trouble. The bottom on every John Deere plow is correctly designed. John Deere plow success is due to bottom construction. An easy, high and level, power-lift, a pull on the trip rope, raises the plow; another pull and the plows enter the ground. The tractor does all the lifting, and the rear end of the plow lifts high as well as the front. There is no gathering of trash when turning.

John Deere tractor plows can be backed—a stiff hitch is employed. There is perfect control when pulling, turning or backing.

SYRACUSE WALKING PLOWS

Syracuse Diamond Swivel Plow

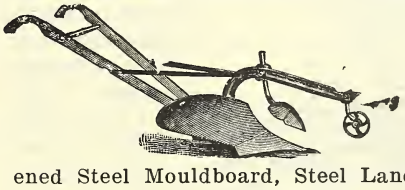


This type of Side Hill Plow has always been very popular in New England, being light, but still having great strength and good turning qualities.

Easy shifting clevis and also automatic shifting Coulters except on small size.

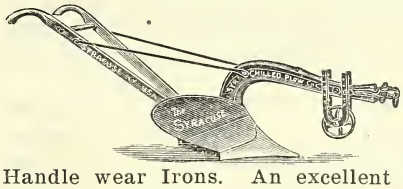
Furnished in three sizes: Small-horse, Two-horse and Large Two-horse.

Syracuse Combination Walking Plows



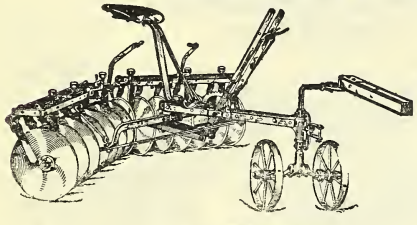
This particular pattern is one of the best suited for conditions in this territory. Fitted with hardened Steel Mouldboard, Steel Landslide and Chilled Share. No. 32 Medium Two-horse, No. 31 Large Two-horse.

Syracuse Contractors Plow

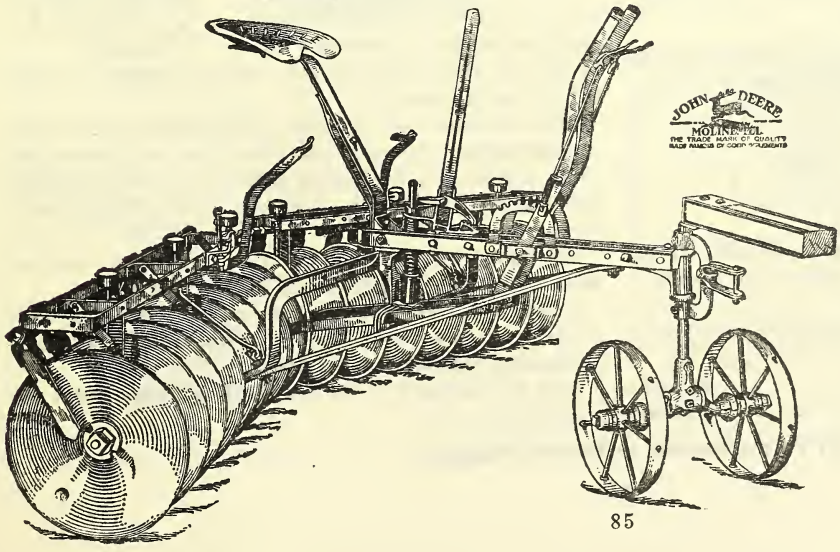


Hard iron wearing parts. Extra heavy Beam, Share and Strip Steel Wheel Frame. Loop Handle wear Irons. An excellent Plow for general grading purposes.

The Deere Model K Harrow



Model K with Tongue Truck



Deere Model B Disc Harrow

A Really Flexible Disc Harrow

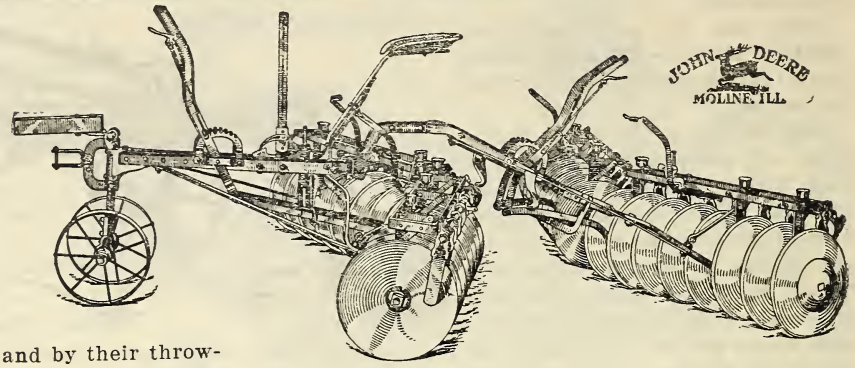
Only Harrow manufactured having third lever giving spring pressure on gangs. High steel frame, oscillating scrapers with lock off device. Gangs work indepenent of each other. Oil tubes extending to top of frame. Furnished with 16, 18 or 20 in. discs, either plain or cutaway.

The User of a Deere Disc Harrow is always a Satisfied Customer.

Send for full descriptive catalogue and prices

DEERE DOUBLE ACTION DISC HARROW

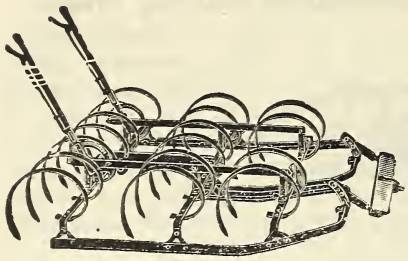
One working of the DEERE DOUBLE ACTION HARROW accomplishes more thorough pulverization of the soil than two separate operations because with this harrow the second working takes place immediately after the first and the partially broken-up soil does not have time to dry out and is, therefore, more finely pulverized by the action of the second section of the harrow. We recommend using plain discs on the front section and cutaway discs on the rear section and by their throwing in opposite directions the greatst efficiency in a harrow will be obtained. The front section can be used alone any time desired.



Special Circulars and prices on application.

Spring Tooth Harrows

Construction

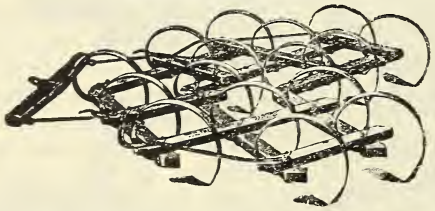


Frame bars of angle steel are thoroughly protected by steel shoes, doubling the life of the harrow. Frame bars are raised at the rear ends to give free outlet to trash.

Tooth bars of channel steel journaled in malleable brackets above the frame, which give the teeth high and great range of adjustment for depth of cultivation and clearance.

15 Tooth, two horse	$21.00
17 Tooth, two horse	22.50
10 Tooth, one horse, top handles	15.50
10 Tooth, one horse, less handles	14.00
9 Tooth, one horse, less handles	14.00

Combination Wood and Steel Frame Spring Tooth Harrow



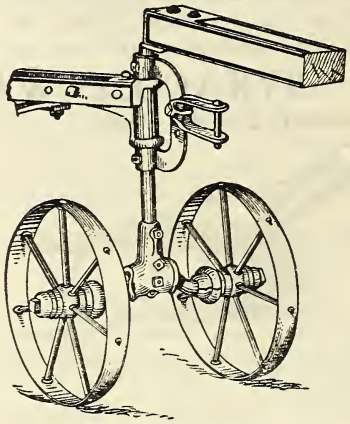
This Combination Harrow has a wood and steel frame combined, which makes it much more durable than an all-wood frame harrow.

It is the most durable and satisfactory non-lever spring tooth harrow on the market.

16 Tooth	$13.00
18 Tooth	14.00

Deere No. 7 Combination Tongue Truck

For Steel Stub Disc Harrow

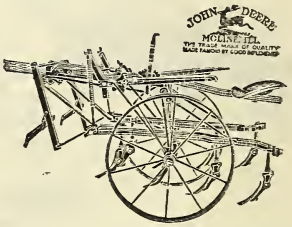


The New Deere Combination Truck and Fore Carriage illustrated herewith will fully meet the requirements of all disc harrow users. It is simple, strong and compact in construction. The wheels are solid steel with wide oval tires and with closed bearing boxes.

Can also furnish No. 5 Truck for wood stub tongue.

Deere J. B. Cultivator

Parallel Guide



The value of any cultivator to the farmer is governed primarily by the good qualities that show in actual use.

The Parallel Guide secures perfect control and thorough cultivation in narrow and crooked rows and on hillsides as well as in straight rows.

The automatic lift relieves the operator of the labor of raising the rigs and balancing the cultivator; enables him to give his entire attention to work requiring judgment and skill. Depth of cultivation is regulated accurately.

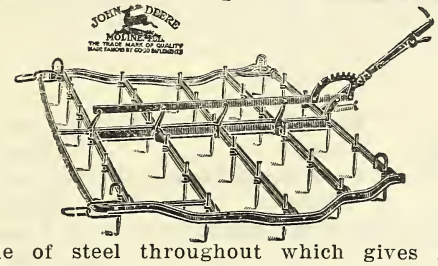
Shovels penetrate and scour because they are always in same position to the line of draft.

Hitch is of the pendant type and adjustable. Pull of the team is applied directly to the point of greatest resistance, making light draft.

Can be equipped with Disc Hilling Attachment for potatoes.

All Prices Subject to Market Changes

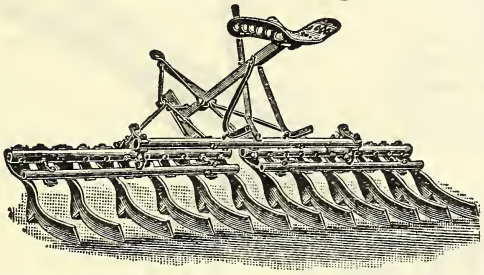
Deere Universal Spike Tooth Harrow



Made of steel throughout which gives strength without useless weight. The lever allows the teeth to be angled in any desired position and is also provided with a spring trip, allowing the teeth to give in stony or rooty ground.

One Section, 30 Teeth, One Horse **$10.00**
Two Sections, 60 Teeth, Two Horse **19.50**

Acme Two Horse Riding Harrow

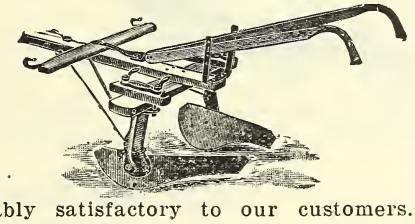


The Acme Standard Two-Horse Riding Harrow has two coulter sections and is flexible. The harrow may be made rigid when desired by braces provided for this purpose. Each section has six coulters, making twelve in all. Width of cut is 6 feet 6 in. Weight, 125 lbs.

Send for Full Descriptive Catalog and Prices.

Hisco Wing Potato Hoe

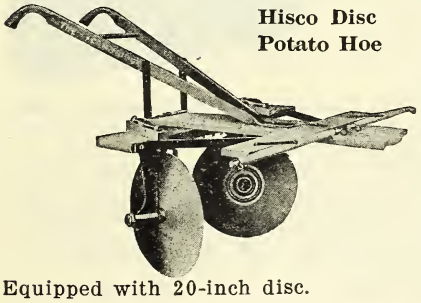
Two-Piece Wings



There has always been a large demand for a Wing Potato Hoe of this type. They are constructed of the best material and are invariably satisfactory to our customers. They are fitted with an adjustable extension on the wings which is a decided advantage. **Price, $9.75**

Can also furnish the well-known **Syracuse Wing Potato Hoe.** **Price, $10.50**

Hisco Disc Potato Hoe

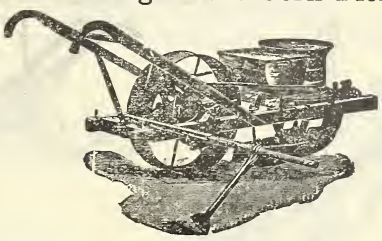


A great many persons prefer the disc type of hoe in preference to the wing. Standards are movable on cross-bar to allow spacing of disc.

Price, $14.00

Equipped with 20-inch disc.

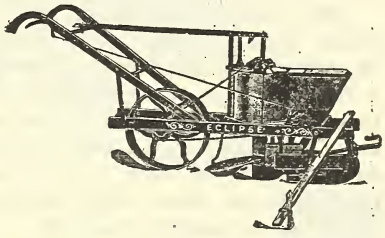
King of the Corn Field Planter



This Corn Planter has been for years one of the leading machines for planting corn, beans, peas, beets and other seeds used throughout this territory. It is equipped with fertilizer distributor, and is perfectly adapted to all requirements of this section. It can be arranged to drop any desired quantity of seed or fertilizer; can also be used for planting corn and beans at the same time, dropping each kind of seed in rotation.

Eclipse Corn and Bean Planter

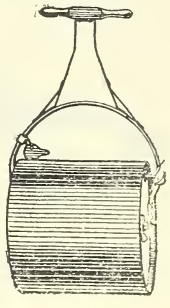
The Original Eclipse



This planter has been sold for over twenty years, thousands of them are in use, and there is great demand for this machine. The fact that the Eclipse is still on the market without being changed is guarantee enough of its efficiency and durability.

Water Ballast Lawn Roller

Ball Bearing, Light Running,
Round Edge Drums
No tearing up of sod.
Can be filled with either water or sand.



No. 603 24 in. in diameter, 24 in. long, one section; weight empty, 100 lbs.; filled with water, 440 lbs.; filled with sand, 630 lbs. Send for prices.

Saves a Man and Team

Operated by the man on the load.

Operated with gasoline engine. Drum holds 240 ft. of rope.

Ireland Hay Hoist

A powerful machine that saves time and labor in storing hay and in other hoisting. Used in connection with harpoon fork or sling. Attach it to your own engine. Safe and easy to operate. Instant control. Pulley to suit your engine. Guaranteed as represented. Write for circular and prices.

IRELAND MACHINE & FOUNDRY CO., Inc
22 State Street, Norwich, New York.

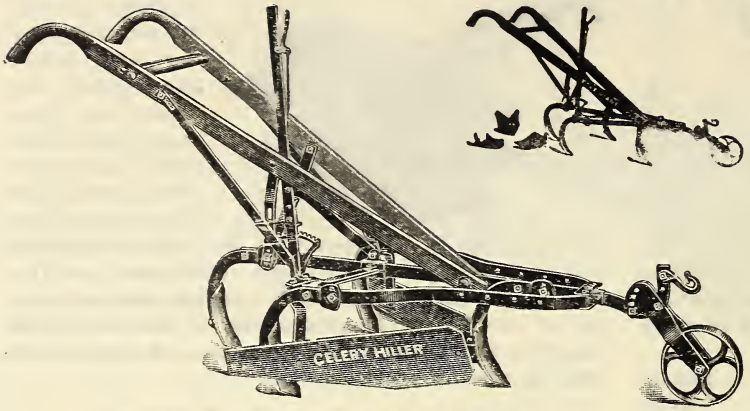
We Manufacture
Saw and Shingle Mills, Wood and Drag Saw Machines

STYLES

Type A, Single Drum
Type C, Single Drum with Brake
Type D, Double Drum with Brake

All Prices Subject to Change Without Notice

Little Giant Walking Cultivators



5 Tooth Little Giant with lever and gauge wheel **Price, $6.50**

7 Tooth Little Giant with lever and gauge wheel **Price, $7.50**

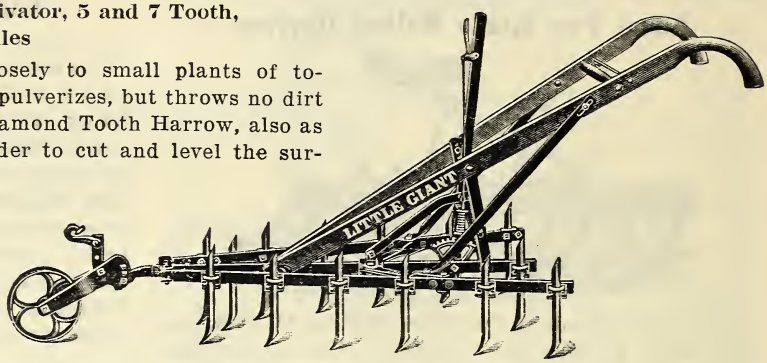
Horse hoe cultivator for 5 or 7 tooth. **Price, $1.50**

Celery hiller attachment for 5 or 7 tooth. **Price, $2.50**

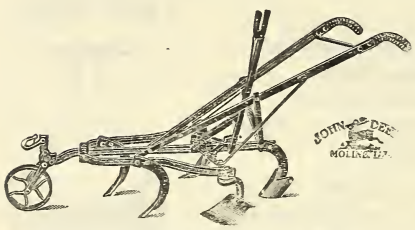
Little Giant Steel Walking Cultivator, 5 and 7 Tooth, with Wood Handles

This tool is used for working very closely to small plants of tobacco, corn, potatoes, etc. It thoroughly pulverizes, but throws no dirt on plants. It is also used as a Straight Diamond Tooth Harrow, also as a Smoother with sharp points down in order to cut and level the surface, the tooth, with sheared end down, being less liable to injure young plants when smoothing over corn, potatoes, etc. **For very close work every other tooth can be quickly removed.**

14 Tooth Little Giant with lever and gauge wheel. **Price, $6.50**



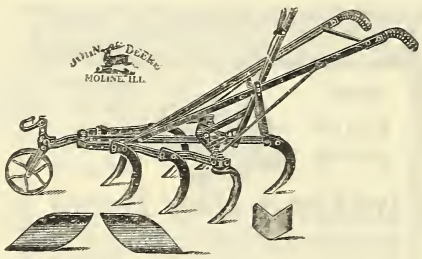
John Deere Steel Walking Cultivators



5 Tooth Steel Cultivator

Because of the steel and malleable construction these Cultivators are very durable and free from breakage. Furnished with Horse Hoes or Long Hillers.

No. 306. 5 Tooth with lever and gauge wheel. **Price, $7.50**



7 Tooth Steel Cultivator

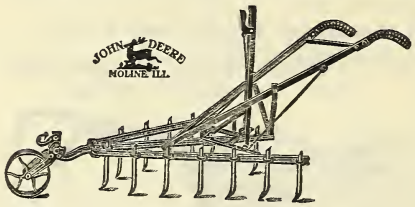
Same high-grade construction as the 5 tooth and having two more teeth.

No. 314. 7 tooth with lever and gauge wheel. **Price, $8.75**

Horse Hoe Attachment, for 5 or 7 tooth **$1.75**

Long Hiller Attachment, for 5 or 7 tooth **3.25**

Deere Steel 14 Tooth Cultivator



Especially adapted for use in corn and small plants. Stirs the dirt thoroughly but does not throw dirt on plant.

Fitted with steel reversible teeth.

No. 320. 14 Tooth lever and gauge wheel. **Price, $7.50**

Steel Land Roller

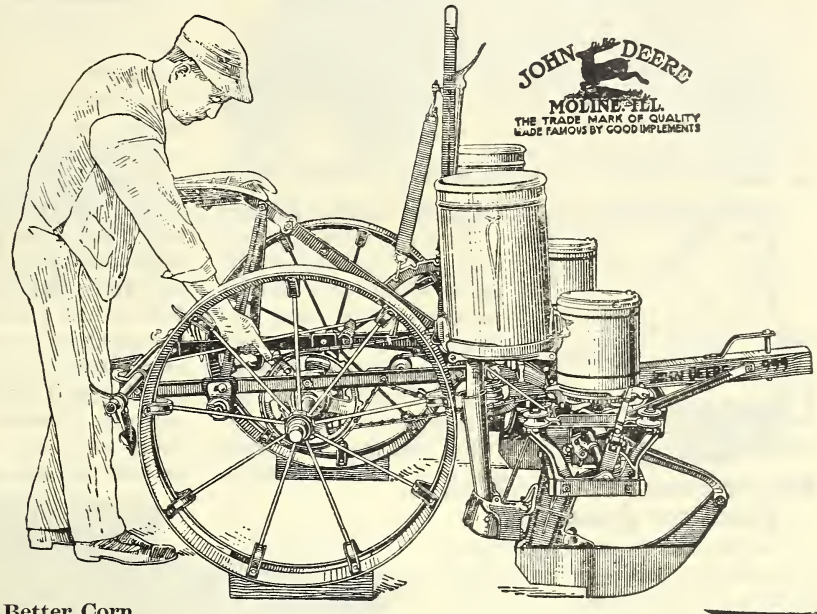
Seed will not grow in soil that is cloddy, dry and hard — you know that. And there is no sure way of telling whether your soil will be left in that condition this year because of a continued spell of dry weather. Roll down those clods and you will have a seed-bed that will grow your costly seed.

The farmers prefer a steel roller to a wooden one because it is more durable and easy running. The Roller frame is of angle steel. The axle is of 1⅞ inch steel shafting and turns in hard maple boxes.

All Prices Subject to Change Without Notice

Corn Planters

John Deere No. 999 Two-Row Corn Planter



The John Deere No. 999 is the most accurate, and therefore the most desirable corn planter ever designed. Its extreme accuracy is obtained by means of its new and improved drop. That is, the seed cell and cut-off plates are so shaped that the kernels naturally lie on the hopper bottom in the best position to move toward, enter and rapidly fill the cells. The weight of the corn in the hopper assists rather than hinders the filling of the cells. This construction secures the most accurate drop ever put on any corn planter, regardless of whether it is a flat drop or an edge drop planter.

Fertilizer Attachment

This attachment is easily put on without changing any of the regular parts of the planter. Easily removable hoppers have increased capacity and are so constructed that fertilizer is kept agitated and cannot bridge.

More and Better Corn

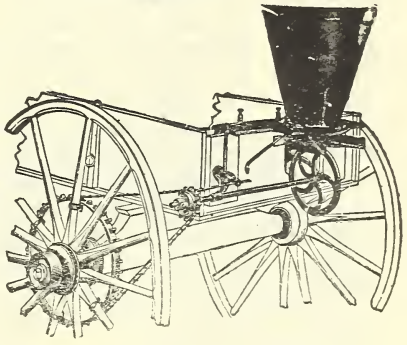
We have just issued an attractive, interesting and instructive booklet which more fully describes these planters. This booklet is furnished free upon request.

Improved Stone Boat Front

This device enables the farmer to make a stone boat in one hour's time with ordinary straight plank that he may have on the farm. All tools necessary are saw and bit.

Price, $6.75

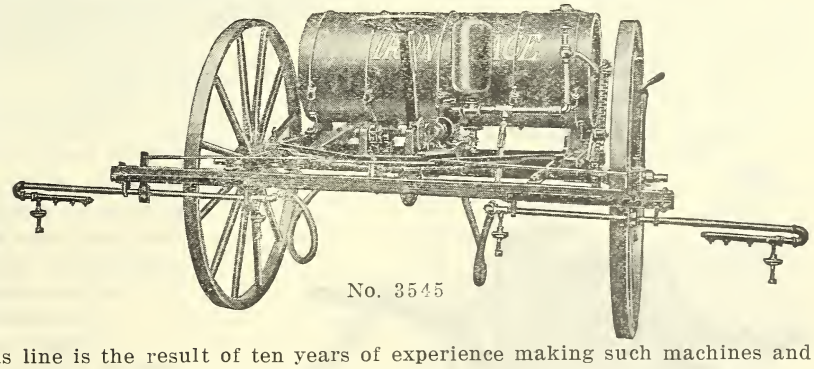
Strowbridge Broadcast Seed Sower



It is a simple, effective seeding apparatus complete in itself which may be attached in a few moments' time to any farm wagon or other vehicle.

Price, $8.00

IRON AGE FOUR-ROW, 55-GALLON TRACTION SPRAYER



Prevent blight by spraying and also increase the yield enough to pay for machine, solutions and labor in a short time. This is the kind of insurance that saves your crops (and nothing else will) and gives you a handsome profit besides.

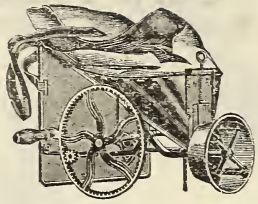
Spray for bugs in the quickest, surest way. That means, use the right solutions, at the right time, and put them on with four- or six-row machines that save your time and do the work thoroughly.

Most successful of their kind. This line is the result of ten years of experience making such machines and we do not hesitate to recommend them as the most successful of their kind for more than ordinary reasons—they have capacity, power and adjustment to suit your crops (and nothing else will) and give you a handmade, and every modern convenience for easy working.

Equipment. Double-acting pump, 55-gallon wood tank, wood wheels, 50x3 inches and adjustable on the axle for various width rows, regular spray bars, combination pole and thills.

Pipe, fittings, hose, etc., are made of the highest grade of material, as are all parts on the sprayers. Each sprayer includes a bucket strainer. Packed weight 700 lbs. Descriptive folder and price on application.

Cahoon Seed Sower



Will sow all kinds of grass and grain seeds from four to eight acres per hour at a common walking gait. Heavy seeds, such as wheat, it will throw 40 feet (20 feet each side of the operator); lighter seeds, of course, will not be thrown so far.

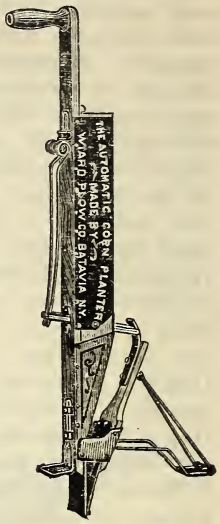
Price, $3.00; Postpaid, $5.15

Cyclone Seed Sower

This sower is guaranteed to distribute all grass seeds and grains perfectly even and directly to the land. Sows grass seed from 18 to 20 feet and grains a longer distance.

Price, $2.25; Postpaid, $2.40

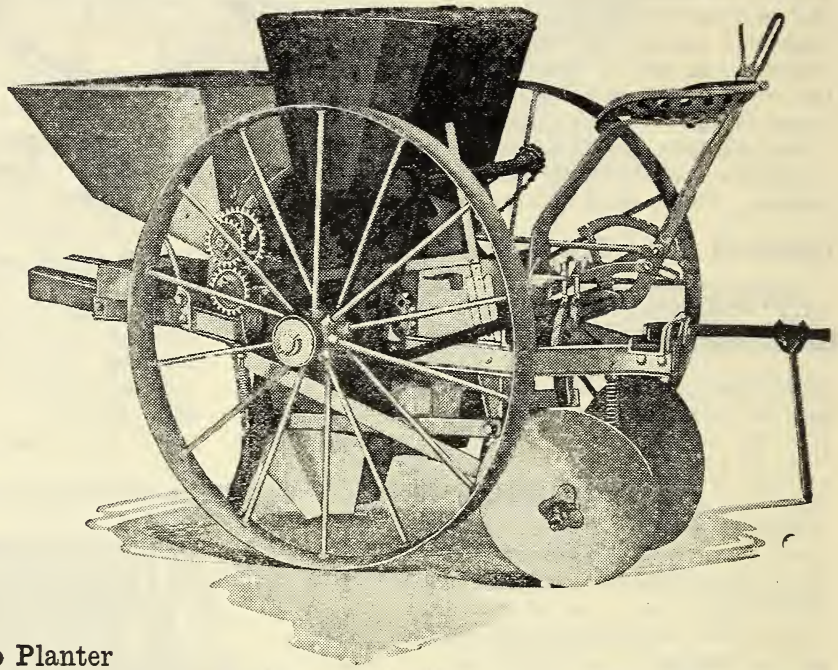
The Automatic Hand Corn Planter



In the Automatic Corn Planter are Combined all the latest and best improvements

yet made in implements of this character. In this planter the seed is delivered from the dropper to the receptacle at the bottom, which, when opened by pressing over on the foot, leaves it at once at the depth required, avoiding the trouble found with all hand planters that deliver the seed direct from the dropper to the soil. It also has a most convenient attachment for regulating the depth of planting; this can be raised or lowered in a moment and insures delivery of seed at precisely the depth required, whether the soil be hard or mellow.

Hoover Potato Planter With Fertilizer Attachment



The Hoover Potato Planter is a new addition to the line of potato machinery manufactured by the makers of the well-known **Hoover Potato Digger. The Hoover Planter** is just as well made and will be just as satisfactory to the user as the **Hoover Digger** has been. The main frame of the **Hoover Planter** is made of channel steel formed to the proper shape to bolt solid at both ends.

Steel roller bearings on main axle.

Steel wheels 40 inches diameter, 3½ inch tires.

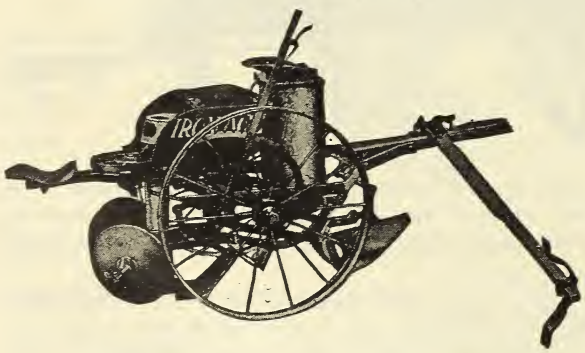
Potato Hopper holds 2½ bu.

All operations of the planter are under the eye of the operator from his seat at the rear.

Equipped with fertilizer attachment. Prices quoted on request.

Improved Robbins' Potato Planter

The 100 Per Cent Potato Planter



It is results that count in potato culture—the net return in dollars and cents. At the same time there is a lot of satisfaction in a clean field with straight rows and **every hill planted.** It is the sign of a practical farmer. The right start is half the race and here it is—an automatic

machine planter that places every seed piece exactly as you want it

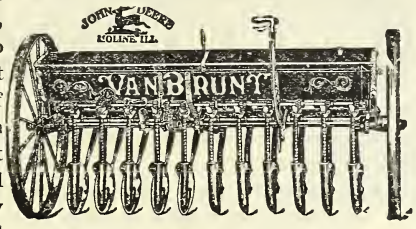
without a miss or a double and without injury. **The** result is, every hill planted at the right depth, the right distance apart and covered level or ridged. **Has** a very positive and successful fertilizer attachment that will handle all kinds of commercial fertilizers. **Send for Descriptive Booklet and Prices.**

All Prices Subject to Market Changes

VAN BRUNT FERTILIZER DISC DRILL

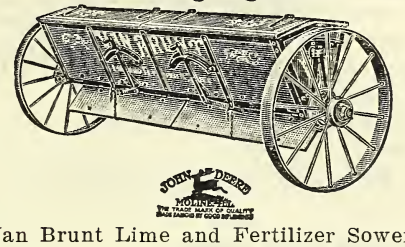
Light Weight Light Draft Force Feed
Spring Pressure Large Capacity

Even Seeding in Furrows of Uniform Depth. No Ground or Seed Wasted.



The drill that puts any seed, from alfalfa to bearded oats, at the bottom of furrows of even depth, without choking up and failing to sow part of the field or planting too much in other parts. All grain is ready for harvest at one time. Any standard fertilizer is handled by the Van Brunt just as accurately as seed. Send for Booklet.

Van Brunt Lime and Fertilizer Sower with Oscillating Agitators

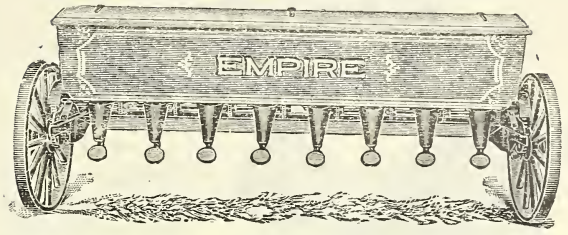


The Van Brunt Lime and Fertilizer Sower is built in the standard size to cover eight feet of ground, with a carrying capacity of ten bushels. For strength, durability and simplicity it is unexcelled.

This sower has 36-inch steel wheels with staggered spokes, heavy wide rims, removable dust-proof boxings, and compression grease cups with chilled wheel bearings.

The hopper is exceptionally strong, of selected well-seasoned matched lumber; steel ends with angle steel corners, thoroughly braced; close-fitting covers and removable screens. **Send for Booklet.**

Empire Broadcast Fertilizer Sower



The Empire 8-foot Broadcast Fertilizer Sower is especially designed for sowing a large quantity of lime or fertilizer per acre.

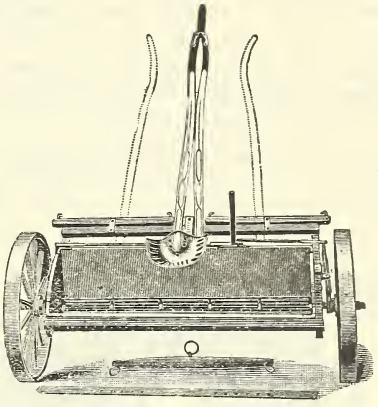
It has a positive force feed, which insures accuracy in the quantity sown.

The scattering tubes are constructed so as to deliver the fertilizer or lime in an even sheet over the ground.

The capacity of the Empire, as regularly equipped, is from 150 to 1,400 quarts of fertilizer; from 375 to 1,500 quarts of lime per acre.

Stevens Fertilizer Sower

This sower combines strength, simplicity and durability. Will sow all kinds of fertilizers either broadcast or in rows. Equipped with Lang Gauge giving approximate amount sowed per acre.



	Size	Capacity	Weight
One horse,	5 ft. 10 in.	9 bu.	400 lbs.

Circular and Price on Application.

Features That Characterize the Dain Mower

Compensating Gears—That remove strain from the bearings and transmit instead of consume power.

Long Pitman Shaft—That has all end thrust removed, hence has no need of thrust bearings.

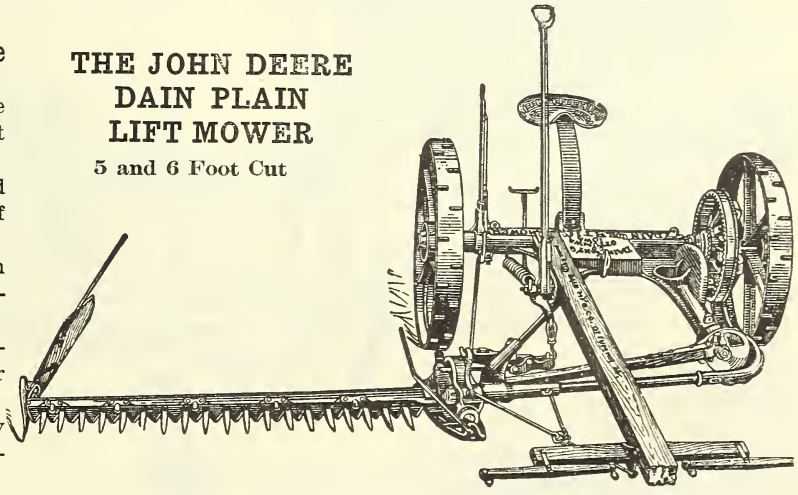
Alignment of Cutter Bar—Seldom necessary, but easily, quickly and positively made.

An Easy Foot Lift—So easy it's surprising, especially after using other kinds.

Adjustable Draft Hitch — Instantly set to remove side draft in the most severe conditions of work.

THE JOHN DEERE DAIN PLAIN LIFT MOWER

5 and 6 Foot Cut

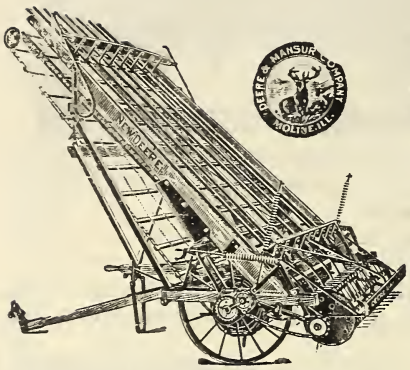


Material and Workmanship—Of the known Dain standard proven by service reliable and trustworthy.

Send for Special Descriptive Booklet.

New Deere Hay Loader For Swath or Windrow

An Economy



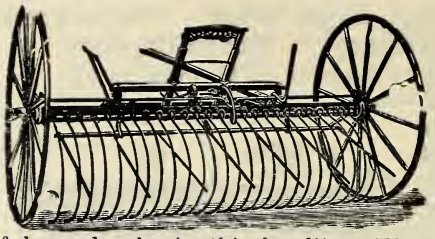
When hay is grown in any quantity the saving in time, labor, and quality of product effected by a hay loader will often wipe out the purchase price the first year used and thereafter become a source of clear profit.

A Desirable Loader

The most desirable hay loader is the one that combines to the greatest degree, durability, capacity, and efficiency. This describes the NEW DEERE LOADER in a nut shell. It is very durably constructed, yet light in weight, will pick up any quality and condition of hay either from the swath or windrow and do it as clean as any rake.

Send for Full Descriptive Catalog.

New York Champion Wood Rake

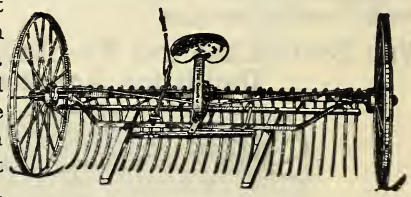


For years the New York Champion Rake has been the best known and most successful wood rake in this locality. We would certainly recommend the above to our customers who do not desire a steel rake.

It is carefully and substantially built, and nothing but the best of material is used in its construction.

Send for Circular

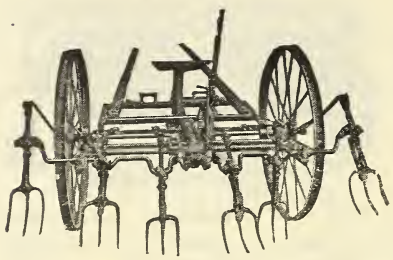
Deere Dain Steel Rake



All steel, but the combination pole and shafts. Double hub steel wheels, angle steel frame with truss. Long flat pointed teeth. Light draft and clean working. Strong and durable.

Furnished in 8-ft. size.

Prices and Circulars on Request.



Johnston Steel Tedder

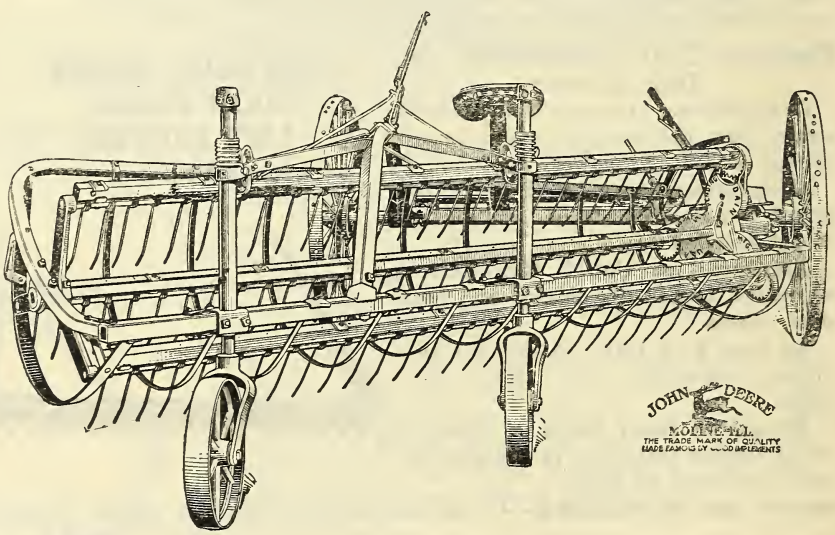
Johnston all-steel Tedders are strong and durable, and work most satisfactorily. The frame is steel, the wheels are steel and double hubbed. Three sets of roller bearings on the main shaft insure its light running. Three tined crucible forks are used; the spring on the fork is located behind it, and does not come in contact with the hay and get tangled in the rod and spring. Another feature is the spring balance tilt. The Johnston is equipped with combination pole or shafts. Made in 6 fork sizes.

Dain Side Delivery Rake

The Dain Side Delivery Rake has a frame of strong steel construction, giving great durability. Has strong steel raker teeth sufficient to rake and deliver the heaviest crop of hay, also having perfect flexibility when striking an obstruction.

No farmer cutting a quantity of hay can afford to be without one, especially if using a hay loader.

Leaves the hay in a long, continuous windrow in the very best condition for curing. Will shake water from grass in as satisfactory way as a tedder. **Let us send you booklet giving full description and prices.**



SILVER'S "OHIO" LIGHT DRAFT SILO FILLERS WITH SUCTION BLOWER

No. **40** 4 to 6 H. P.
Gasoline, 3 to 5 Tons an Hour.

No. **60** 6 to 8 H. P.
Gasoline, 5 to 7 Tons an Hour.

No. **90** 8 to 10 H. P.
Gasoline, 7 to 10 Tons an Hour.

Direct Drive. Drive pulley, cutting cylinder and fan wheel all on main shaft utilizes every ounce of power.

Patented Friction Reverse. By the use of a single lever all moving parts except knife cylinder, can be instantly stopped, started or reversed without the slightest strain. Not a gear tooth changes mesh in reversing.

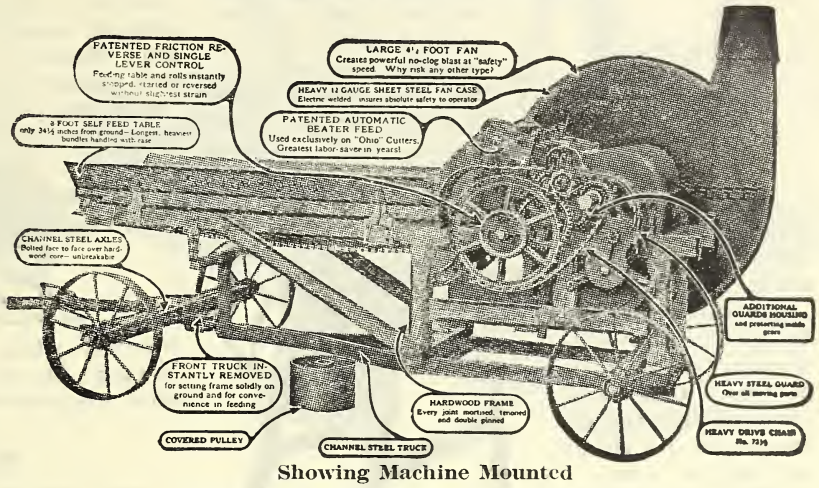
Accessibility. Knives and cutter bar can be readily removed for sharpening or replacement without disturbing other parts. Experienced user will appreciate this advantage. The single lever control can be reached from almost any position around the machine.

Patented Knife Adjustment. This feature insures perfect cutting, which is just as essential to good silage as keeping the silo air tight.

No. 40—Ohio Blower with traveling feed table; with 9-inch throat, two knives and curved elbow for top of pipe, not mounted. Weight, 790 lbs.

No. 60—Ohio Blower with traveling feed table; with 11-inch throat, two knives and curved elbow for top of pipe, not mounted. Weight, 835 lbs.

Fills Highest Silos With Ease



Showing Machine Mounted

Special Features of No. 40, No. 60 and No. 90

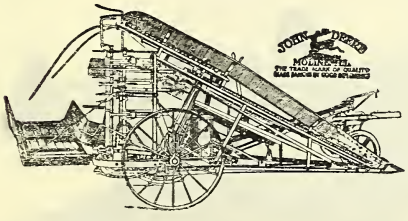
No. 90—Ohio Blower with traveling feed table; with 13-inch throat, two knives and curved elbow for top of pipe, not mounted. Weight, 900 lbs.

6-inch Galvanized Blower Pipe for No. 40 Machine in 4- and 6-foot lengths, weight 2¼ lbs. per foot.

7-inch Galvanized Blower Pipe for Nos. 60 and 90 Machines in 4- and 6-foot lengths, weight 2¾ lbs. per foot. **Write for prices.**

John Deere Corn Binder

The John Deere Corn Binder is built to the standard of quality that has characterized all John Deere implements.



It is exceedingly easy to operate. It does thorough work in any field of corn in which a binder can be operated. It has adjustments that quickly adapt it to all field conditions. It has the design, the material and workmanship that result in continuous good work over a term of years.

Send for Special Booklet

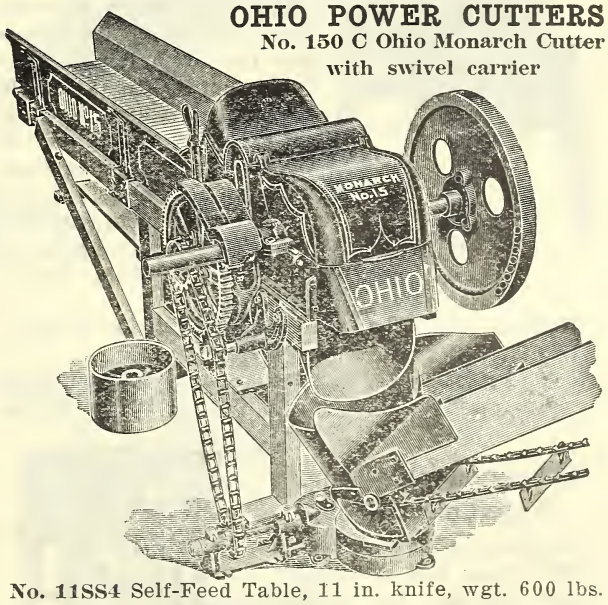
Johnston Continental Grain Binder

Strong, Durable, Efficient

Steel construction. Main drive wheel 36 in., giving great power. Roller bearings in both wheels, greatly reducing draft. A trip that will never repeat and a knotter that always ties. Sold under a positive guarantee. **Special Booklet on Request.**

OHIO POWER CUTTERS

No. 150 C Ohio Monarch Cutter with swivel carrier



No. 11SS4 Self-Feed Table, 11 in. knife, wgt. 600 lbs.

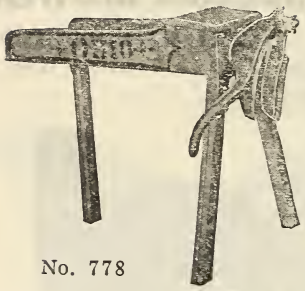
No. 100C Self-Feed Table, 12 in. knife, wgt. 1260 lbs.

No. 150C Self-Feed Table, 15 in. throat, weight 1280 lbs.

No. 11SS4 furnished with reversible open carrier.

Nos. 100C and 150C furnished with swivel open carrier.

Ohio Lever Cutter



No. 778

The "Ohio" Lever Cutter will cut hay, straw, corn stalks and every kind of feed. It is equipped with one 11-in. oil-tempered knife; also provided with a guard plate, adjustable to vary the lengths of cut.

No. 778 "Ohio" Lever cutter, weight 55 lbs. **$6.00**

Pony Hand Feed Cutter

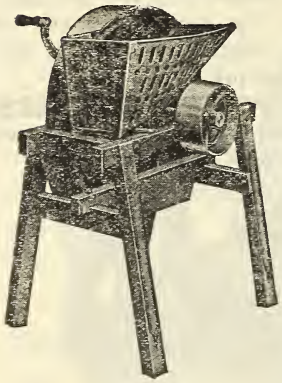
The Pony Cutter, as illustrated below, is strictly a hand machine.

A bushel of hay can be cut in thirty-five seconds. Cuts all kinds of feed. Only high-grade material is used, and makes it a strong and efficient cutter.

No. 783. One 11¼ in. knife cut ½ to 2 in. Weight 165 lbs. **$15.00**

No. 783

Ohio "Rapid" Root Cutter and Pulper



No. 832

The knives are double-edged and reversible, one being straight, for slicing, the other edge being grooved, thus dividing it into separate bits for pulping.

The knives are adjustable to the cutting plate, which is to gauge the thickness of the slices and to counteract wear in the knives.

Capacity — Capacity per hour, slicing or pulping, hand, 30 bushels; power, 125 bushels.

Pulley—Size of pulley for power, 10x4 in. Weight, 215 lbs., with pulley. Size and price:

No. 832 Root Cutter and Pulper, 6 knives, for hand or power **$25.00**

Champion Root and Vegetable Cutter

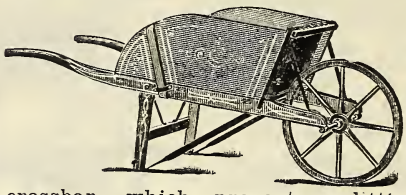
Will cut all kinds of roots, either fine for sheep, or much coarser for cattle. Guaranteed to cut one bu. per minute. **Price, $13.50**

SYRACUSE GARDEN BARROWS

For twenty-five years Syracuse Wheel Barrows have been recognized as "Standard."

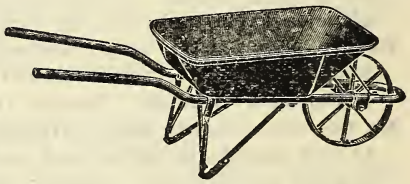
The careful methods used in the manufacture of Syracuse Barrows are, moreover, attractive in de-building of Syracuse Wheel Barrows. Materials are selected, manufactured and assembled with the constant purpose ever in mind of combining lightness with strength and convenience with durability.

Syracuse Barrows are, moreover, attractive in design and nicely finished. The frame is made of well-seasoned ash, with three crossbars mortised into the handles. The bottom boards are set into the rear crossbar, which prevents splitting at the ends. Strongly braced throughout. Handles, legs and wheel are painted red, and sides and front olive.



The Perfect Barrow

For Conveying Concrete, Mortar, Sand, Gravel, Cement, Fertilizer, Manure, Etc.

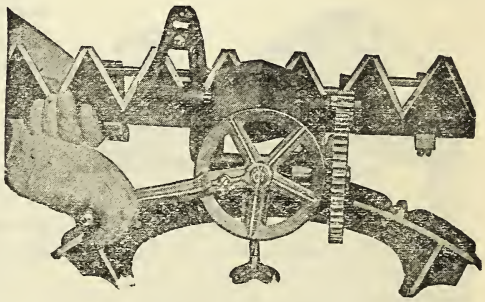


The "Perfect" is an end-dumping barrow; has protected wheel and renewable shoes on legs; carries load level and well over wheel; has an extra strong strapped tray, smooth on inside.

In the "Perfect" Barrow, convenience and durability are combined with the rare feature of light weight.

Write for Prices.

Karbo Knife and Tool Grinder



Grinder is convenient for use in field, as it can be readily attached to mower wheel by thumb-latch which holds grinder in position. This grinder does its work perfectly, lever gives operator perfect control so that nicks can be ground out and shape of stone insures sections being ground with their original bevel. This grinder can also be furnished on special order as a foot power machine.

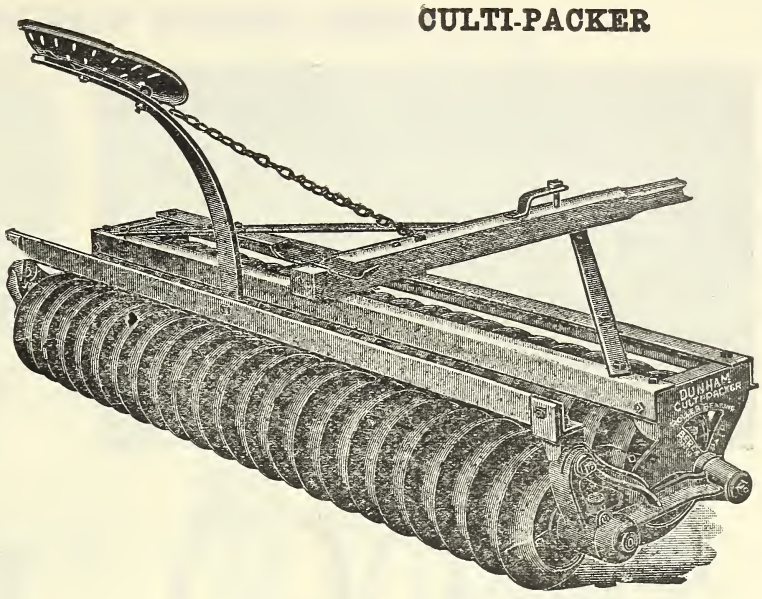
All Prices Subject to Change Without Notice

CULTI-PACKER

Combination double gang pulverizer, roller, packer and clod crusher. It will serve all these purposes, as well as level the soil, leaving the small ridges loose, fine and mellow.

An increase of crops is guaranteed if used before and after seeding, and we claim this is the best implement made for preparing the seed-bed.

Send for descriptive matter and prices



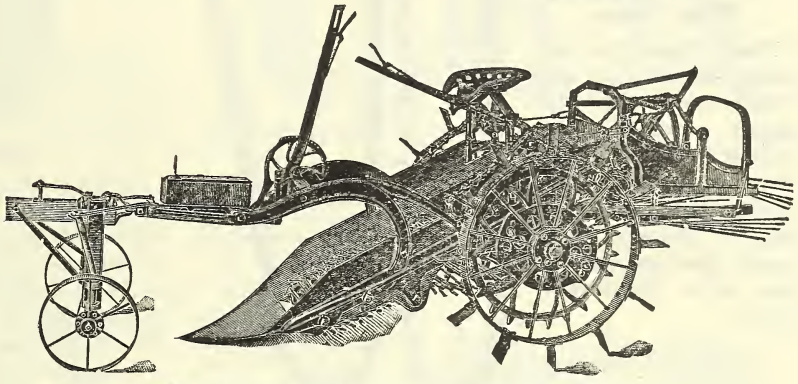
Hoover Improved Potato Digger

There is probably no implement so well known in potato-growing sections as the Hoover Elevator Potato Digger. In Aroostook County, Me., where more potatoes are grown than any other section in New England, and where a potato digger gets a severe trial, the Hoover has given perfect satisfaction. Its success can be attributed to the fact that it was built to withstand most trying conditions.

No. 300 Hoover Digger with Rod Elevator.

No. 301 Hoover Digger with Riddle Elevator.

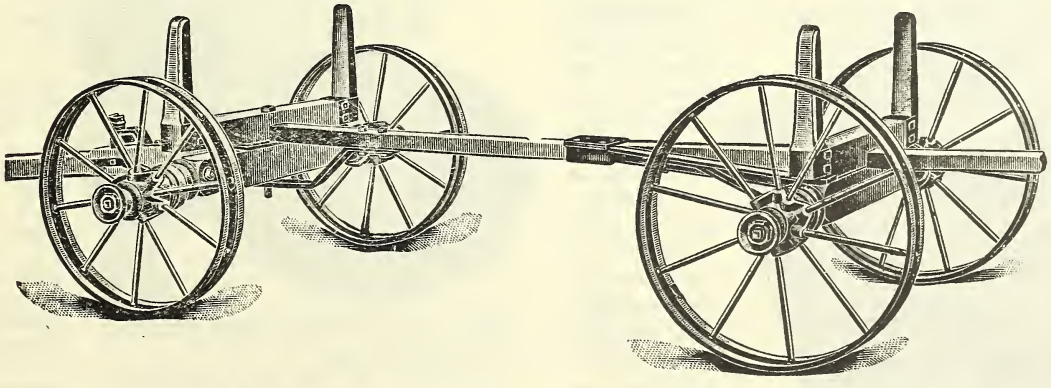
No. 300 Hoover Digger with Rod Elevator, equipped with 4 Horse Power Cushman Engine, screen cooled for operating elevator and vine separator.



New Steel Sides and Roller Bearings Throughout.

Write for Special Catalogues and Prices

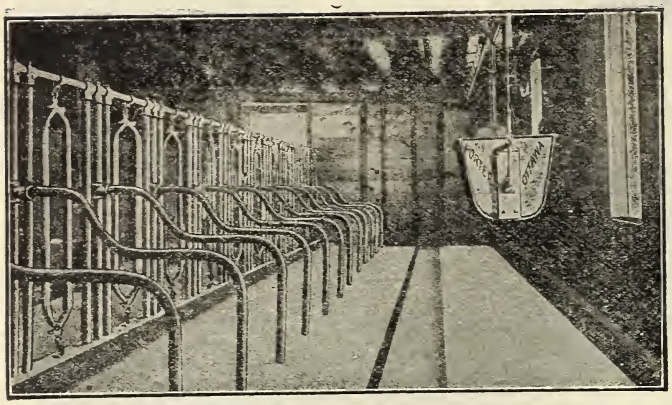
NO. 25 STEEL FARM TRUCK



The above cut represents one style in our low-down farm gear. These are especially desirable where one desires a medium priced truck which is both light and strong, and well fitted for common farm purposes. Unexcelled for use in mounting spraying rigs, saw outfits, engines, etc. We can furnish these fitted with either wood or steel wheels, and they are commonly equipped with 3½x10-inch skeins and 4-inch tires.

Full Descriptive Catalog and Prices Gladly Mailed on Request.

PORTER PERFECT BARN EQUIPMENT

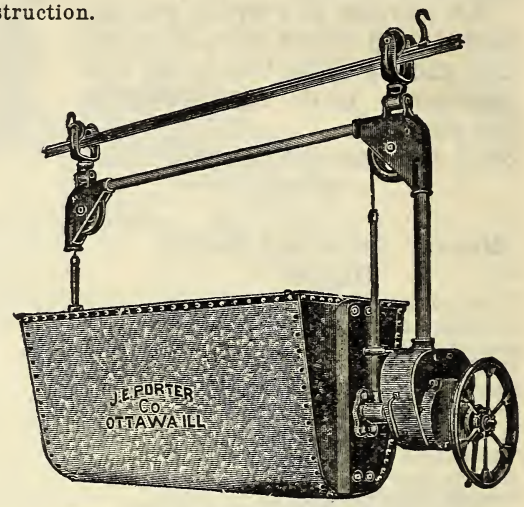


We are in a position to furnish complete barn Outfits of the most improved type including Stalls, Stanchions, Hay and Litter Carriers, Water Basins, Mangers, etc. Estimates and information gladly given and if building new or rebuilding your old barn will furnish without charge Blue Prints giving most improved construction.

Porter Steel Stanchions

These Stanchions are made of high carbon U-bar steel and are amply strong. The lock is simple and positive in action. Can furnish with wood lining if desired, also small size for calves and extra heavy for bulls.

Closed Open



The Porter Litter Carrier

Shown above is a high-class machine, built for heavy service. The tub is four feet long and two feet wide, with capacity of 12½ cubic feet, or 800 pounds of wet manure. It is built of heavy, galvanized steel, reinforced with rolled steel angle one inch wide all around the top and along the end seams. Most perfect lifting device found on any Carrier. Furnished with chain hoist if desired.

Send for full descriptive catalogue.

Buckley's Watering Device

No. 3 Stanchion Basin

Illustration shows the general application of this system, but a brief description will be necessary to demonstrate its importance, usefulness and simplicity. On application we will mail descriptive catalog with testimonials, etc.

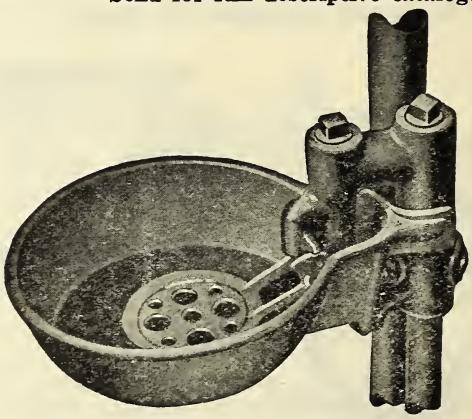


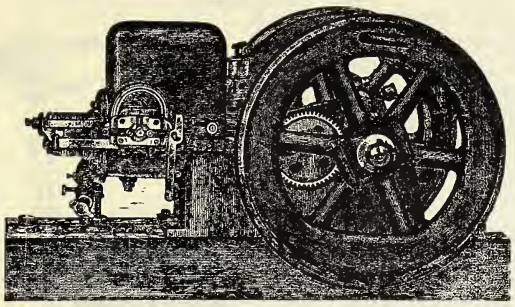
Fig. 681—Drinking Bowl Attached

Bowl is constructed to fit ¾ inch supply pipe. No inlet pipes are furnished. Bowl can be attached to 1 inch or 1¼ inch steel tubing supports. No special plumbing fittings are required in installing this automatic bowl.

No danger of the bowl overflowing, because the automatic valve is controlled entirely by the pressure plate. When the cow stops drinking she allows the valve to close automatically by removing her mouth from the pressure plate.

Pure, fresh water is the cheapest food we know and the simplest method of giving it to your herd is with Fig. 681 bowls.

MONARCH ENGINES



Why Make a Motor of Yourself?

Here's a little engine that saves you from the sheer drudgery of the many backbreaking jobs about the farm.

A HANDY HIRED MAN

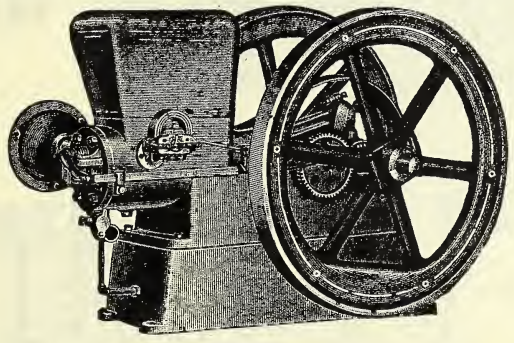
The Monarch 1¾ H. P. engine has been designed for running cream separators, churns, washing machines, grindstones, fanning mills, small feed cutters, for pumping water, either with a direct connected jack or by pulley, or running a line shaft with two or three of these machines attached.

USES GASOLINE ONLY

The Monarch 1¾ H. P. engine uses gasoline only. The engine is equipped with hit and miss governor, which is recognized by engine authorities as the best for small engines. This governor automatically regulates the fuel supply so that only enough gasoline can be drawn into cylinder to keep the engine up to normal speed.

Specifications

Model N, 1¾ H. P., Speed 500, 3½x5 in. Cylinder, 16 in. Fly Wheel, 4x4 in. Pulley, Weight 225 lbs.



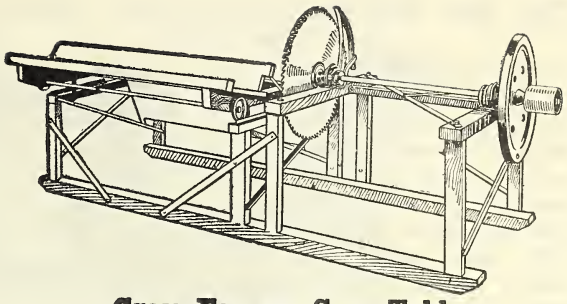
Special Throttling Governor Makes Monarch Steady as Steam

The Monarch throttling governor has contributed largely to the popularity of Monarch engines. A steady, uniform engine speed and the automatic regulation of fuel in proportion to load has been accomplished. If the engine is operating at no load or full load, or if there be a varying load, the Monarch governor always insures a constant uniform steady speed.

Monarch throttling governor engines have a smooth continuous delivery of power that is delightful, particularly when operating dynamos and separators.

Specifications

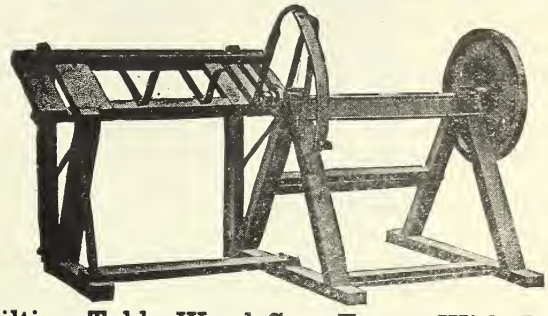
H. P.	Speed	Diameter of Fly Wheel	Size of Pulley	Approximate Shipping Wgt.
3	450	21 in.	8x6 in.	480 lbs.
5	430	26 in.	12x6 in.	690 lbs.
7	380	36 in.	14x8 in.	1200 lbs.



Gray Farrow Saw Table

Send for Circular and Price

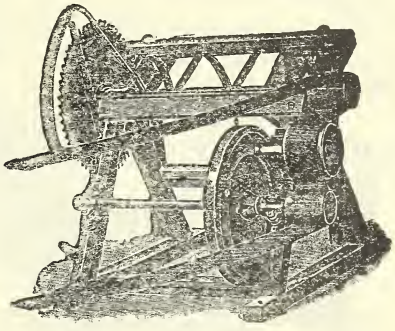
Improved Wood and Pole Saw Frames



Tilting Table Wood Saw Frame With Pole Extension

This is our regular Tilting Table Wood Saw Frame except with pole extension parts for sawing long poles. These parts can be removed and set to swing in front of frame, as shown in cut of Tilting Table Wood Saw Frame, if you desire. Weight 325 lbs.

The tilting table is pivoted so that it balances perfectly and is easy to handle. The arbors are true and heavy. They run in long, babbited bearings, and are fitted with a 95-pound balance wheel. On pole saw frames the connection between the two arbors is made by running belt over idler pulley.



TILTING TABLE POLE SAW
Weight, 350 Pounds

Note. All our Wood and Pole Saw Frames are made right hand, unless otherwise ordered. Weights shown above are for machines without saw blades.

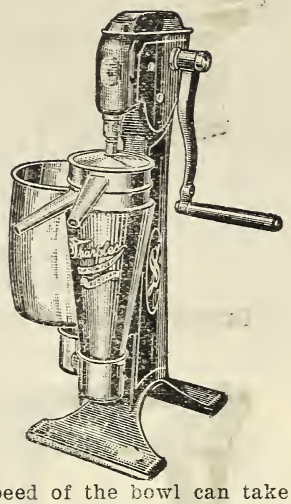
Prices of Tables Without Saws

Tilting Table Wood Saw	$25.50
Tilting Table Wood Saw with Pole Extension	28.00
Tilting Table Pole Saw	32.00
Tilting Table Wood Saw Irons	22.50

Jones Circular Saws

20-inch, set and sharpened	$5.00
24-inch, set and sharpened	6.25
26-inch, set and sharpened	7.50
28-inch, set and sharpened	8.75
30-inch, set and sharpened	10.00
32-inch, set and sharpened	11.25

The New Sharples Suction-Feed Tubular Cream Separator



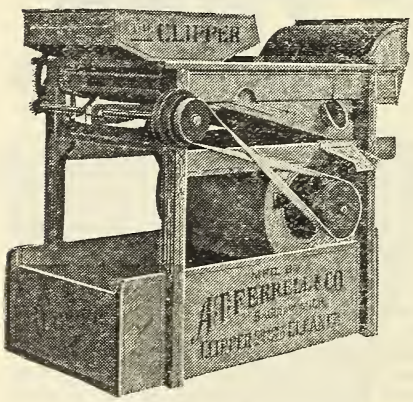
Since the beginning of the centrifugal separator, its one great province has been to **save.** Save cream, save butterfat, save the warmth, freshness and value of skimmilk, save labor, save quality of produce, always saving. What it saves is its value. It has no other value.

The New Sharples Suction Feed Separator is the only one which automatically adjusts the flow of milk to the separating force. It simply sucks in enough milk so that the speed of the bowl can take care of it. In this way, it makes little difference whether you turn the crank under speed or above speed, you will always get a dead clean skim. Just set cream screw and the cream will contain exactly the same percentage of butterfat.

There are many other advantages in using the New Sharples. The supply can, for instance, is only 24 inches above the floor, so that it is easy to fill from the milk can. The Tubular bowl contains no discs or other contrivances which are hard to wash and hard to keep clean. The New Sharples is easy to turn, because you can adjust the speed according to your strength.

The New Sharples is thoroughly described and illustrated in our new catalog, and we will be very glad to have you ask for a copy.

NEW NO. 1-B CLIPPER GRAIN, SEED AND BEAN CLEANER



Capacity

Wheat and other grain, 20 bushels per hour.

Clover and other seed, 10 bushels per hour.

Screen length including spreading board, 29 in.

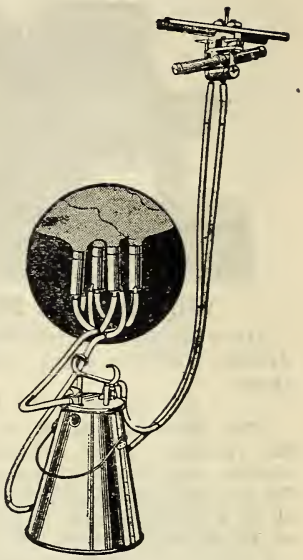
Screens 19 in. wide, 22¼ in. long.

Dimensions

Length ..... 4 ft. 8 in.
Width ..... 2 ft. 2 in.
Height ..... 3 ft. 8 in.
Shipping weight, 185 lbs.

Write for complete descriptive folder and prices.

The Sharples Mechanical Milker



Every man keeping a fair sized dairy should be interested in this milker for the following reasons:

First — The cost of milking cows can be reduced seventy-five per cent.

Second—One operator and one boy, to milk and assist, can properly milk one hundred cows in less than two hours.

Third — The improvement in the cow's condition, resulting from the thorough, quick, gentle and regular work of the milker will induce an increased milk production.

Fourth — A far purer product; lower bacterial count and more valuable milk is assured, because all stable air is entirely excluded and the milking parts are so easily and thoroughly cleansed.

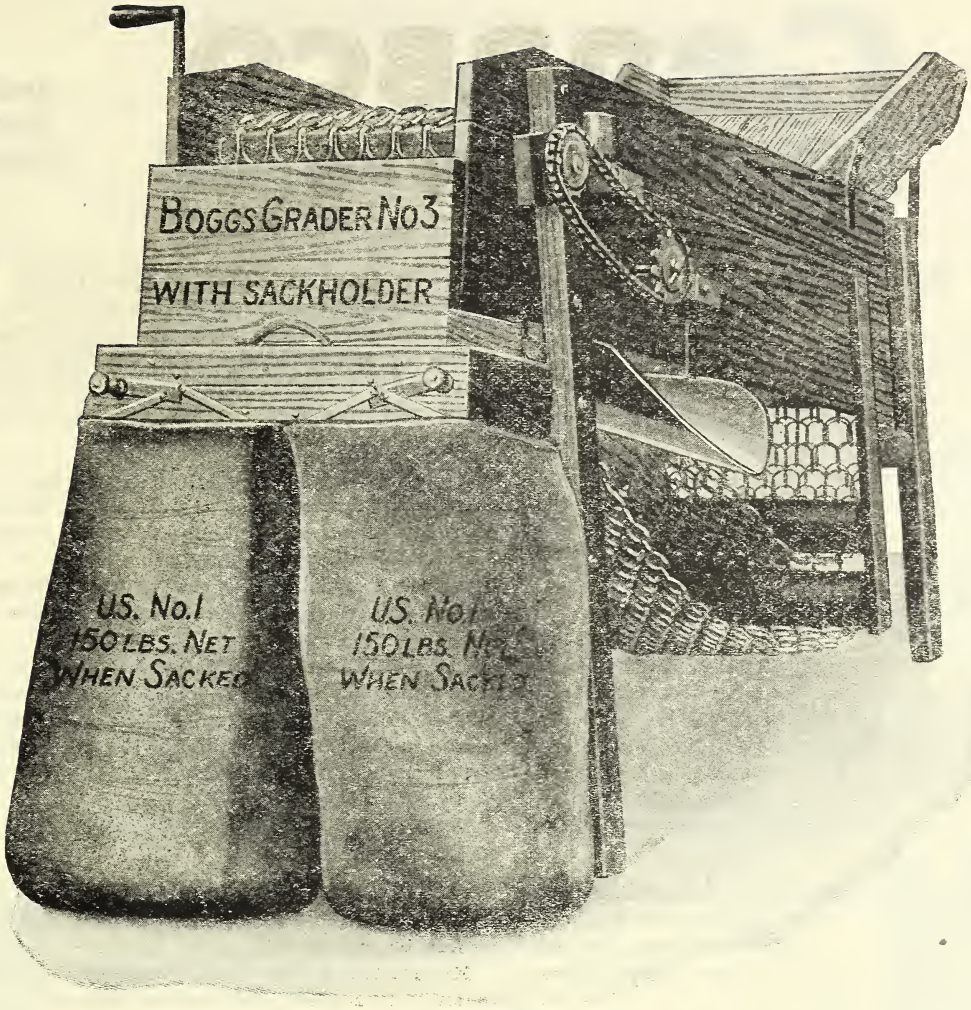
These statements are based on close and extended observation of large numbers of these milking machines in actual operation.

Send for Catalog and Detailed Information

CHATHAM CLEANING, GRADING AND SEPARATING MILL AND BAGGING ATTACHMENT

Capacity **60 Bushels Per Hour**
Power **Easy to Run by Hand. Boy Can Run It**

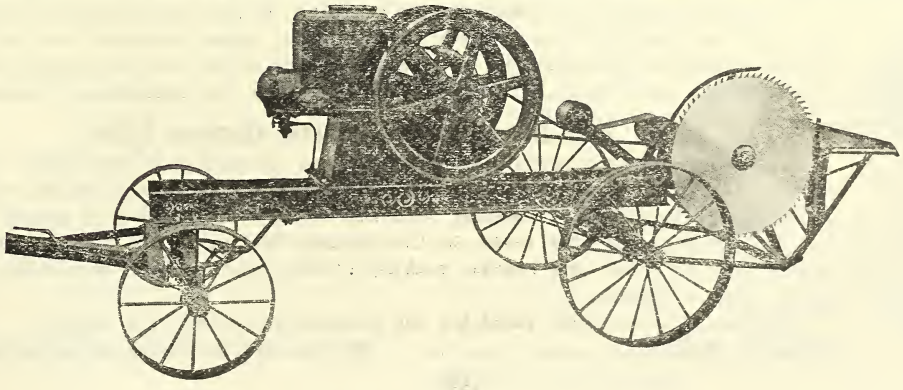
The Bagger is adjustable. Can be attached or detached in an instant. No Screws, Bolts or Nails to contend with, simply throw off the drive chain, place foot upon board which connects Bagger to Mill at the bottom, then lift up the Mill and the Bagger is detached.



Boggs Graders Will Make Money For You

SEND FOR DESCRIPTIVE FOLDER AND PRICE

Saw Rig and Truck



Genasco Roll Roofing

Genasco Ready Roofing

Genasco Asphalt Shingles

The Vital Element

For the protection of your building against destruction by weather—for the comfort and security of its interior—you must rely on the roof. **It is the vital element of the structure.**

Safety demands that the roofing be leak-proof and storm-tight—that it be proof against rain and sun, heat and cold, acid and alkali. Economy demands that it be low in first cost, easy to apply and long lasting.

All these exacting requirements are met completely by

Genasco Roll Roofing

Genasco Roll Roofing owes its unsurpassed waterproofing, wear and weather-resisting qualities to Trinidad Lake Asphalt—a product seasoned and toughened under tropical heat and storms for ages.

Genasco is a non-conductor of heat and cold, therefore keeps buildings cooler in summer and warmer in winter. It is not affected by acid, alkali or gases; is easily laid, easily repaired when damaged and lasts a lifetime.

Where to Use Genasco Roll Roofing

Genasco, because of its economy, long life and element-resisting qualities, is the ideal roofing for factories, foundries, train sheds, railway shops, warehouses, and all storage places.

For farm buldings, Genasco is unquestionably the greatest roofing value ever offered. Its long life, low cost and freedom from repair expenses commend it especially for this class of buildings.

It is made in two styles—smooth surface and slate surface—to meet any roofing requirements.

Look on Top of the House

Foundations remain secure just so long as weather-tight, leak-proof roofs cover and protect them.

The top of your house is the vital part. It denotes permanency for your home and lasting comfort—or leaks and dampness, damage to furnishings and health, and continued discomfort.

Genasco Sealbac Shingles

resist rain and snow, sun and wind. They form a lasting, weather-proof shelter for your home.

Genasco Sealbac Shingles are applied in the same manner as ordinary shingles. Their top surface of natural-colored red or green crushed slate is firmly imbedded in asphalt.

The Sealbac feature originated in Genasco Shingles, is provided by a generous coating of Trinidad Lake Asphalt Cement on the under surface. This not only assists in the closer adhesion of the different shingles, but it protects them against the attacks of condensation underneath.

Genasco Sealbac Asphalt Shingles will not warp or curl, when properly laid.

Phoenix Ready Roofing

Our second best grade equal to any smooth surface roofing on the market.

Manufactured from high grade felt, saturated and coated with asphalt; contains no coal tar.

An efficient and economical roof covering. Made in three weights—light, medium and heavy.

Phoenix Smooth Surface Roofing is packed with ample supply of large head nails and liquid cement.

Supplied in rolls of one square (108 square feet) to cover 100 square feet of roof surface.

INTERNATIONAL ELASTIC CARBON PAINT

A practical, scientific blending and grinding of oils and pigments making a paint of enduring elasticity, for shingle, felt, canvas, paper, asphalt, tin and iron roofs, bridges, machinery, tanks, iron or steel buildings, smoke stacks, boilers, burners, brick, tile, concrete, farming tools, wagons, also the hulls and bottoms of vessels and boats.

Our International Elastic Carbon Paint

Combines extreme usefulness and economy, because it is thoroughly elastic. Used on roofs or iron work, it lasts longer than any other for the reason that the paint expands and contracts in keeping with the surface on which it is placed.

This paint is not only elastic in the highest degree, but it has a very heavy body which fills all holes and cracks, making the surface perfectly water-tight. It cannot peel, crack or blister.

In fact, it is the ideal paint for the purpose for which it is made.

Price: 1 Gallon ..... **.85** Larger quantities on application

THE COLONIAL PAINT

100 Per Cent. Pure

Pure White Paints, Flat White, Enamels and Bronzite, The Permanent Green Paint, "Known the World Over."

The COLONIAL House Paint

The Colonial Paint is a Pure Linseed Oil Paint, that has been on the market for many years, and is considered one of the leading brands.

The materials composing this product, carefully treated as they are, make a paint of great roughness and elasticity that has excellent covering capacity and durability.

As the choicest coloring ingredients are used in making this product the richest coloring tone and finest finish is developed, and the building to which it is applied presents a beauty of appearance which distinguishes it from others in the locality.

The Colonial Paint is manufactured in forty different shades from which beautiful color combinations can be made, that will not only harmonize with the architectural design of any building, but also with the surroundings, thereby making the property much more attractive, and also increasing its value.

The Colonial Paint can be sold with perfect assurance that it will meet the demand of every user.

Vel-ve-ta

The Sanitary Washable Wall Finish

Vel-ve-ta is manufactured under a patented formula—contains no lead or other poisonous pigments, and although applied to the surface like an oil paint, when dry it is non-absorbent, can be washed with soap and water, and is therefore sanitary.

It dries with a beautiful soft and velvety finish, which is pleasing and restful to the eye.

It will not turn yellow, craze or peel. It will not show laps, streaks, or brush marks.

Vel-ve-ta is recommended for interior decoration in homes and public buildings, and in factories. It is equally adapted for this use because it effuses light.

Bronzite

The Permanent Green Paint

Colonial Liquid Bronzite Permanent Green

Made from an ore base, Kolonite, which gives it stability of color.

Bronzite is recommended for the painting of store fronts, doors, blinds, structural and ornamental work, fences, and in fact all outside surfaces generally where a green paint is desired.

Bronzite is impervious to chemical action, atmospheric conditions, resists heat and is non-corrosive.

Bronzite is a specialty green, the green that is different—it lasts, wears and holds its color, and covers more surface than other greens.

Bronzite is put up in six shades, in paste form in 12½ and 25 pound pails, also in liquid form.

Colonial Wagon and Implement Paint

For farm wagons, machinery and implements.

For machinery, and farm implements.

This article is prepared for the painting of wagons and heavy vehicles. Colonial Wagon Paint dries with a high durable gloss, is very easy to apply, and protects the surface to which it is applied.

Dries with a high, durable gloss. It is money well spent to protect implements from rust and decay.

Colonial Floor and Deck Paint

"Made to Walk On"

A high grade floor paint for the coating of all interior floors where a high gloss finish is desired. We especially recommend this paint to brighten up old floors. Excellent for kitchen floors and all inside work. It can be used for exterior work; very durable; dries hard over night.

Colonial Products

Also include:

Colonial Screen Paint, for coating wire screens. Will not clog.

Automobile, Carriage Paint, for painting and varnishing all kinds of vehicles in one operation.

Colonial Quality Colors in Oil. Manufactured from purest and strongest pigments that can be obtained.

Amalgam Paint. A preservative coating for wood, metal and other exterior surfaces.

Colonial White Shellac.

Colonial Orange Shellac.

Colonial Bath Enamel. For use on the tile, metal, wood or other surfaces in the bath-room or about the bath-tub.

White Eagle Enamel. For interior decoration of wood-work, etc.

Kettle Boiled Red. A medium priced paint for barns and out-buildings.

MARTIN'S VANISH

Martin Varnish Company originated the idea of making Varnishes from **Pure Varnish Gums, Pure Varnish Oils, Pure Turpentine** and no adulterants, and labelling the Varnishes 100 per cent. Pure.

Martin's 100 Per Cent. Pure Varnish is absolutely without **Benzine—Rosin—Water**—or any other adulterant.

Martin's Varnishes cannot be made better.

Martin Varnish Makers have had years of experience in Europe and in this country, and have been instructed to use their experience and ability in making the best possible Varnishes from absolutely pure materials and under the most modern manufacturing conditions.

The idea of making **Varnishes 100 Per Cent. Pure,** and of advertising the fact on the cans in which **Martin's 100 Per Cent. Pure Varnishes** are sold all over the world has met with the instantaneous approval of the Architect who wishes to specify the best of materials, and the Master Painter whose reputation depends just as much on the materials he uses as it does on his workmanship. The property owner who believes in Pure Wool Clothes—Pure Food—Pure Linseed Oil and Pure Paint, has been so eager to at last get Varnish satisfaction, that our business has tripled and quadrupled in a very short time, and **Martin's 100 Per Cent. Pure Varnishes** enjoy a very complete distribution throughout the country.

Among the products of the Martin Varnish Co. are the following:

Martin's 100 Per Cent. Pure Floor Varnish.
Martin's 100 Per Cent. Pure Interior Finish.
Martin's 100 Per Cent. Pure Outside Spar Varnish.
Martin's 100 Per Cent. Pure Velour Finish.
Martin's Amber-Lyte.
Martin's Satin Black Leather Finish.
Martin's Lightning Drier.
Martin's Gloss White Enamel.
Martin's Undercoat Enamel.

JAP-A-LAC

Comprises three individual lines of household finishes under one trade-mark name, "Jap-a-Lac," as follows:

Transparent Colored Varnishes, Solid Enamel Colors Gold and Aluminum

There is a color provided for every requirement of the housewife who wishes to keep her floors, furniture, woodwork, etc., in spic and span condition. There is also Jap-a-Lac Floor and Interior Varnish (Natural) which is the most durable floor varnish on the market. Jap-a-Lac is for use on window screens, screen doors, iron fences, radiators, registers, water pipes, automobiles, wagons, in addition to the most common uses such as in floors, furniture and woodwork.

GREEN LABEL VARNISHES

Glidden

The name "Glidden" on a label is an absolute guarantee of high quality. Nearly fifty years of experience in the manufacture of varnishes and specialties for all purposes together with the most modern facilities, insures uniform quality at all times and goods that can be depended upon to give perfect satisfaction. Any person purchasing goods under the Glidden Green Label Brand can feel assured that he is receiving full value. There is a brand made for practically every purpose and at prices which fit any pocket-book. Send for price list.

ENDURANCE WOOD STAINS

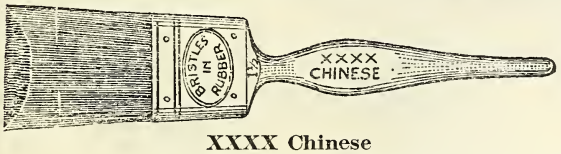
Glidden

Superior to oil or spirit stains and do not raise the grain. Glidden's Endurance Wood Stains are for use on new wood which has never been finished. This line is made of fourteen attractive colors. Their beauty and practicability lie in the fact that an even stain is produced, thus insuring a beautiful lasting finish. The stains produce the beautiful Mission effect, so much in vogue at the present time, and are also for use when securing a waxed or varnished finish. **Color Cards and Price Lists on Application.**

Transparent Colors		Enamel Colors
Light Oak	Ox Blood	Dark Green Enamel
Dark Oak	Floor & Interior	Pale Green Enamel
Walnut	Brilliant Black	Apple Green Enamel
Mahogany	Dead Black	Pink Enamel
Cherry	Flat White	Pale Blue Enamel
Malachite Green	Ground Color	Blue (dark) Enamel
		Red Enamel
		White(gloss)Enamel

PAINT AND VARNISH BRUSHES

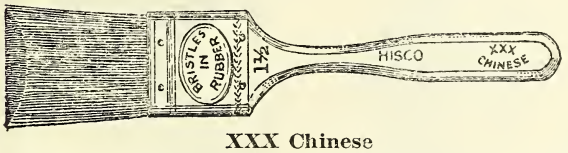
Bristle Varnish Brushes Set in Rubber



XXXX Chinese

Selected Chinese bristles, chiseled edge, long and full, very elastic. Bristles vulcanized in hard rubber.

Width	Length	Price	Width	Length	Price
1 in.	2 in.	.35	2½ in.	3 in.	$1.10
1½ in.	2⅜ in.	.50	3 in.	3⅛ in.	1.65
2 in.	2⅝ in.	.75			



XXX Chinese

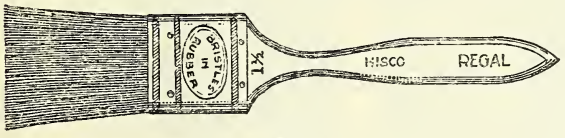
Black Chinese bristles, chiseled edge. For enameling and staining. Bristles set in hard rubber.

Width	Length	Price	Width	Length	Price
1 in.	1⅞ in.	.30	2½ in.	2½ in.	.60
1½ in.	2⅛ in.	.40	3 in.	2¾ in.	.70
2 in.	2⅜ in.	.50			

XX Chinese

For home varnishing. Bristles set in hard rubber.

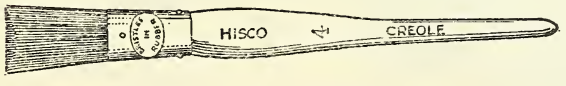
Width	Length	Price	Width	Length	Price
1 in.	1¾ in.	.25	2 in.	2⅛ in.	.40
1½ in.	1⅞ in.	.30	2½ in.	2¼ in.	.55



Regal

Black bristles. A good all around varnish brush. Bristles set in rubber.

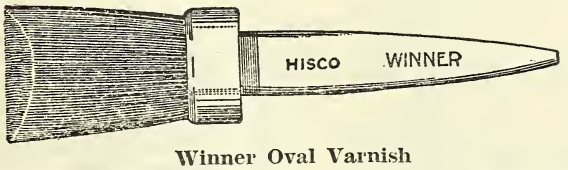
Width	Price	Width	Price
1 in.	.20	2½ in.	.50
1½ in.	.30	3 in.	.60
2 in.	.40		



Creole Sash

Good quality Chinese bristles set in rubber.

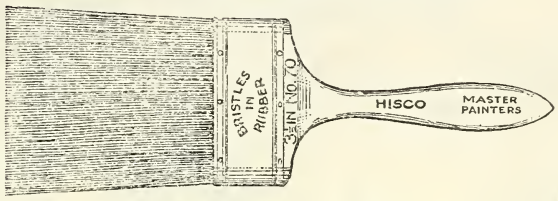
No. 2	.20	No. 6	.30
No. 4	.25	No. 8	.40



Winner Oval Varnish

Width about 2¾ in. **Price, .50**

Bristle Paint Brushes Set in Rubber



Master Painters Wall

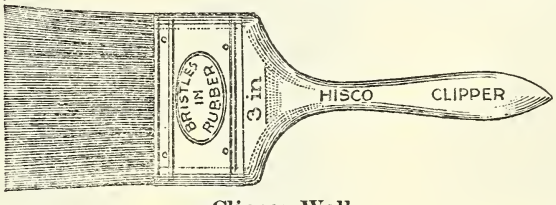
Best quality black bristles, extra long stock. A superior brush for the professional painter. Nickel bound. Bristles set in rubber.

Width	Price	Width	Price
3 in.	$1.35	4 in.	$2.65
3½ in.	1.75	4½ in.	3.15

Majestic Wall

A black bristle brush about equal to our Master Painters except with a triple shorter stock. Bristles set in rubber.

Width	Price	Width	Price
3 in.	.90	4 in.	$1.50
3½ in.	1.20	4½ in.	2.00



Clipper Wall

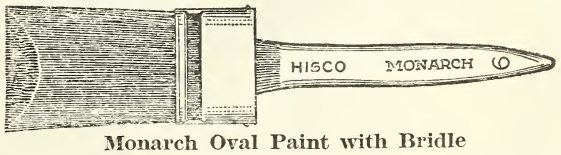
Good all purpose paint brush. Black bristles set in rubber.

Width	Price	Width	Price
2½ in.	.45	3½ in.	.65
3 in.	.55	4 in.	.80

Raven Wall

Black bristle, low priced paint brush.

Width	Price	Width	Price
2½ in.	.35	3½ in.	.50
3 in.	.40	4 in.	.60



Monarch Oval Paint with Bridle

A superior brush, long stock, black bristle. Three sizes.

No. 6 **$1.65** No. 8 **$2.75** No. 10 **$3.50**

Miscellaneous Brushes

Our line includes in addition to brushes listed above the following for the professional and amateur painter.

Whitewash, Kalsomine, Paper Hangers' Duster, Painters' Duster, Camel's Hair Color.

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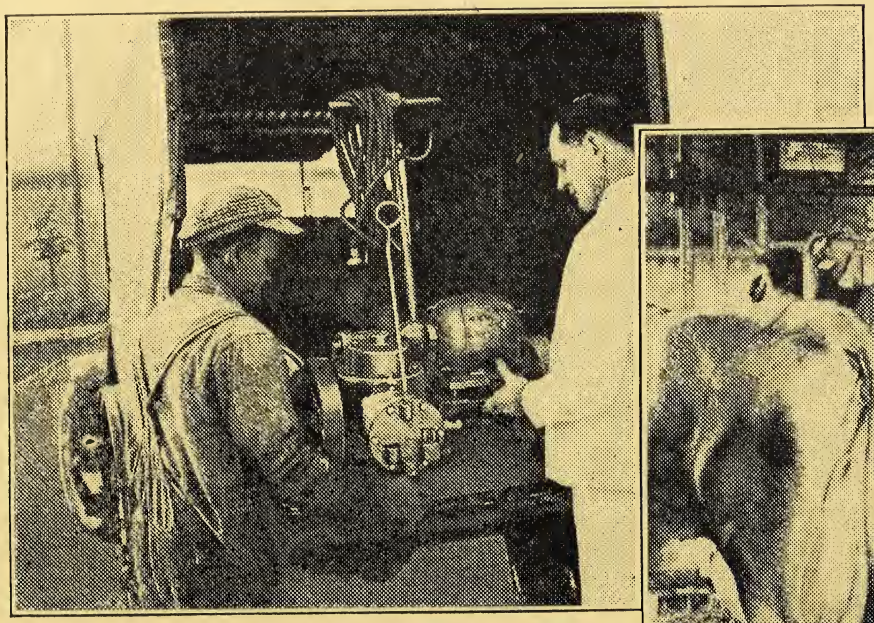

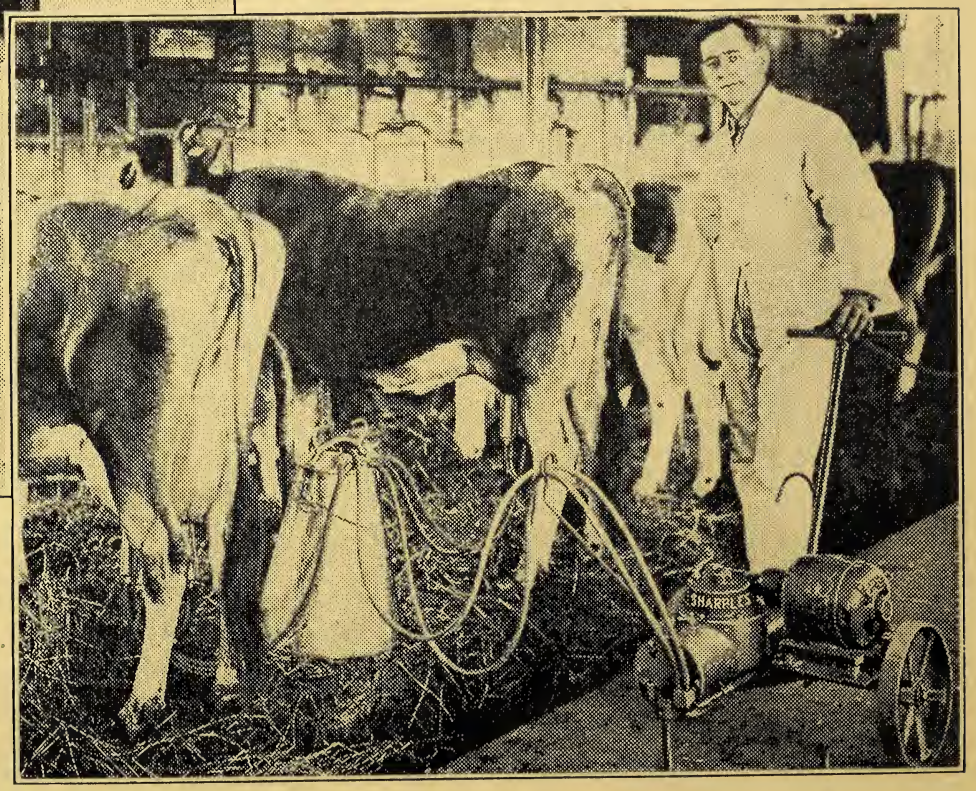

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